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UNIVERSITY OF MASSACHUSETTS
ANNUAL REPORTS
1972/73

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Report of the President

University of Massachusetts
Amherst · Boston · Worcester

Report of the President

Robert Wood, President
University of Massachusetts

Report of the President

THIS IS MY THIRD FORMAL REPORT to the Board of Trustees on the state of the University of Massachusetts. Since there are no fixed statutory dates for these accountings, I have written them when there seemed something important to say: at the conclusion of a cycle of events or when new directions were clearly upon us.

This time I want to emphasize some constant themes that have been present since September, 1970, when I took up my duties. Some are explicitly inherited from my distinguished predecessor, John Lederle, and some are fashioned from the special forces of these past three years. Four in particular occupy us now:

— how to continue our progress as a University to the status of first rank in a period when the limits of growth apply to all institutions: educational, commercial and governmental;

— how to discharge more effectively public service obligations appropriate to our public character;

— how to realize a workable pattern of collaboration with our fellow institutions of higher education, in the state and community colleges, in the private sector, and in the New England region;

— how to pursue learning and teaching in a manner appropriate to our times, recognizing and using the technology special to our age but not abandoning the humane patterns that are our legacy.

It is only in the context of these themes that the decisions and priorities of the last year can understandably be set out. During the year, internal attention fell primarily on developments at the Boston campus, review of the University's graduate programs, consideration of the status of our faculty, and establishment of a new governance plan for the University as a whole. Externally, efforts throughout the year dealt with the challenge of securing once again sufficient resources for our advancement and for maintaining our autonomy as an institution. These decisions were also part of the three year themes.

The next series of decisions will undoubtedly revolve around our Worcester campus. At the conclusion of this report I want to outline what seems to lie ahead in that exciting undertaking — again in terms of underlying objectives.

THE CONSTANT AIMS: (1) A University of National Ranking

BY 1970, A DECADE OF sustained, sometimes explosive growth had moved the University into a position of regional leadership in public higher education, national reputation in several academic fields, and general acceptance throughout the state as an institution of high quality.

In that decade, enrollment in the University more than tripled, the Medical School and the Boston campus were authorized, Capital Outlay funds rose from $1.6 million to $89.8 million. Major additions to the physical plant at Amherst and entirely new campuses in Boston and Worcester moved from the drawing board to construction.

More important was the pattern of academic development. Several departments gained national academic distinction and the number of graduate programs increased sharply.

Powerful forces — some obvious, some subtle — supported this academic and physical expansion. Young people were graduating from Massachusetts high schools in unprecedented numbers, and a steadily increasing proportion of them wanted to go on to college. The nation seemed on the verge of a commitment to almost universal, almost free public education extending through the baccalaureate. And belatedly the public and the General Court had come to recognize that most of the distinguished private universities and colleges of the Commonwealth served mainly a national clientele; despite its reputation as a center of higher education, Massachusetts could not find classroom space for thousands of its able students.

But by the early 1970's, conditions began to change sharply. Enrollment projections made two years earlier proved inflated. Young people's interest in traditional forms of education seemed to lessen. Some practical considerations such as deferment from military service disappeared. Campus disorders were widely blamed for a change in national attitudes toward college education and for a sharp reduction in federal support. The financial pressures that resulted were perhaps most severely felt by private institutions, but their concern was shared by us in the public sector.

So the strategy of growth that had characterized the past decade has in the opening years of the new decade changed perforce to a strategy of consolidating the University and assuring its excellence. Concern for the University's neighbors in Boston and Amherst contributed to decisions to scale down the size of the future campuses. In place of a projected 40,000 enrollment at Amherst, the Trustees fixed a ceiling of 25,000. Boston's initial master plan ceiling of 15,000

was revised downward to 12,500. And proposals that the Worcester campus develop rapidly beyond the Medical School were put in abeyance.

Financially, the momentum of a decade of growth continued to affect the University. Its budget for fiscal 1973 — $72.3 million in state funds — was largely a standstill budget, reflecting substantial cuts made throughout state agencies. But with major new facilities coming into operation on all three campuses in the next fiscal year, the University administration and Trustees insisted that a substantial increase in state funding was essential. The General Court agreed, and for fiscal 1974 approved a state maintenance budget of $84.3 million, the largest increase in absolute dollar terms ever received by the University.

At Amherst, the University Library moved into its new 28-story building and work continued on the Fine Arts Center. Administrators moved into their new quarters at the Columbia Point campus and prepared for the opening of classes there in January, 1974. And the Medical School moved into its new Basic and Clinical Sciences Building as work on the Teaching Hospital continued ahead of schedule.

While there is more building to be done, particularly at the Boston campus, it is clear that the University's budgets and construction programs will not continue to increase at the rates of the past decade. And the energies that have gone into directing that growth may now be turned to other issues: how to assure and enhance quality in teaching, research and service, at graduate and undergraduate levels, within quantitative limits and within the basic traditions of a university.

Achieving quality in a constricted environment requires some obvious institutional qualities: self discipline and self restraint, a keen sense of selectivity, a commitment to rational planning. In all these respects, the faculties, student bodies and administration have performed impressively in a period of necessary but often rapid transitions. We have been determined to hold on to the academic imperatives: freedom of inquiry and expression; an array of programs of study and research that maintains genuine university standards while above all meeting the needs of its students; a pattern of self governance, with each part of the University taking the initiative in spheres of special competence and responsibility; and a tenure policy for our faculties which meets our needs without artificial numerical restrictions.

Accordingly, 1972-73 witnessed the adoption of a new governance plan, drafted principally by four senior faculty members, Professors Robert Wellman, James Broderick, Thomas Brown and Joseph Burroughs, assisted by a broad, pan-campus group that established original and constructive patterns of collaboration, consultation and participation by faculty members, students and staff in key decisions of the University. Without copying larger and older multi-campus

universities, the governance plan outlines areas of primary responsibility for initiating action, prescribes a set time for review and acceptance of proposals, and provides for University-wide advisory bodies to the President in the areas of planning and budgeting.

Second, in the context of transition, the University has begun, department by department, to plan its faculty and program requirements five years ahead, with annual revision. Based on a Trustee declaration of November, 1972, this policy is designed to preserve the essential tradition of tenure but also to assure the University's capacity to remain abreast of changes among and within academic disciplines, to keep up with the explosion of knowledge. In an age when fields and sub-fields of learning and research "ripen" with extraordinary rapidity, a university must be flexible in its capacity to allocate and reallocate resources. This is the objective of that policy.

Third, in pursuit of quality, we have begun a comprehensive review of our graduate offerings at Amherst. For almost two years Dean M. H. Appley of the Graduate School at Amherst has worked with a small staff and department heads to provide an analytical compendium of our graduate offerings, evaluating past developments and future potential. This 600 page analysis has been made available to the schools, departments and governing bodies of the Amherst campus. Later, in the full context of a pan-university study, my office and the chancellors, deans and faculties of the other two campuses must become involved.

More than in any other area of academic life the qualities of planning and critical evaluation are required in the conduct of graduate studies. State colleges in Massachusetts have indicated their interest in further development in this area, and Lowell Technological Institute and Southeastern Massachusetts University have established graduate programs. Private sector graduate programs are also important for us to consider. Their existence causes issues of duplication to be raised when the University proposes new programs, especially at Boston. Thus it is necessary that we balance the advantages of offering programs in the public sector against the possibility of public purchase of educational services from institutions in the private sector when we review ways of meeting the graduate program needs of our clientele. Graduate programs of the other five New England land grant universities are also relevant to our own undertakings, and the Joint Operations Committee established this summer by the New England public university presidents has selected regional graduate programs as its first priority for joint study and possible cooperation.

So Dean Appley's study has initiated a process of evaluation and adjustment that will go on for some time. As it goes on, I want to make clear my commitment

to graduate studies as a bedrock requisite of a genuine university and my disinclination to adjust investment in graduate programs to forecasts of future market demands for professional careers. It is proper to be concerned with the demographic demands for programs, but in beginning, continuing, expanding or retracting a graduate program, we must be sure we do not confuse the merit of an academic field with the size of its market.

THE CONSTANT AIMS: (2) The University and Public Service

THE LAND GRANT TRADITION that links the acquisition of academic knowledge to important societal goals has proved its value to the nation and the University time and time again in a century of effective operation. It is part of an even more universal American intellectual tradition perhaps best expressed when Woodrow Wilson half a century ago committed a prestigious, elite and private university, Princeton, to "the nation's service." Here in Massachusetts it is obvious that the state university has a special obligation to improve the capacities of other institutions, including units of state and local government and health care institutions.

At the time of my installation, I stressed this responsibility and outlined some of the paths on which I believed we could proceed. The results have been gratifying. The Institute for Governmental Services is now an effective, almost indispensible part of the public life of the Commonwealth. Under Maurice Donahue, it has improved the capacity of local and state government in responding to the complexities of the times. It has organized training programs for government employees, conducted conferences for local officials on state-local fiscal relationships, and provided research for public agencies on a wide variety of problems. The Institute for Labor Affairs, under Joseph Cass, has continued its established extension courses for the rank and file of union membership and has in addition inaugurated a special course for labor leadership which I believe can powerfully help modern forces in the labor movement. The Labor Center, its companion at the Amherst campus, has made great progress in research and professional training at the undergraduate and Master's level.

The Cooperative Extension Service, which has long been a part of the rural and suburban scene, has moved into the city, providing assistance on urban health and nutrition problems. And the relatively new Marine Station at Gloucester provided early warning to the Commonwealth of the potentially deadly "red tide" which severely affected the shellfish industry in 1972.

New opportunities have been seized as well. The University Year for Action is now into its third year — a program which both in Boston and Amherst has placed our students out in the field and at the service of government departments, community agencies and neighborhood associations. We are also moving to improve the incentives for service among our faculty and student bodies. For faculty members, policies on consideration of tenure, promotion and merit increases now explicitly provide for recognition of public service activities. For students interested in serving the public, the University already has an impressive range of intern programs, and it is clear that the University's commitment to public service also enhances its educational mission. Its students return to the classroom from legislative offices, hospital wards and community service organizations with a heightened understanding of the relevance of their education to their future lives.

That relevance is specific in the design of the curriculum and administration of the College of Public and Community Service — College III — in Boston. Under the direction of Dean John Strange, the college admitted 304 students this fall and began putting to the test the convictions that guided its planning. The college's curriculum is organized around six basic skill units; its success will be measured by its capacity to empower students to enter a public service profession equipped with the ability to apply new skills to solving real problems.

But if public service means in part sending our students out into the community, it also means making the University available to students who cannot take advantage of traditional campus based programs. At the Boston campus, the Prison Education Program involves 20 inmates on education release, 75 who attend college classes at the Norfolk correctional institution, and 63 in college preparatory work at both Norfolk and Walpole. Funded by federal grants, the program has stirred new interest in education within prison walls and has inspired other educational institutions to follow our lead.

The Amherst campus has continued to assist the state Department of Youth Services in developing alternative programs for juveniles and is developing a comprehensive program of education for both inmates and staff at the Berkshire County House of Correction. The University Without Walls program is experimenting with an educational program for inmates who still have relatively long terms to serve, attempting to discover whether it is both educationally and economically possible to design an upper divisional educational program for them.

The University is also making its resources available to citizens of the Commonwealth, particularly those in western Massachusetts, who cannot or do not want to attend full time programs. Evening programs in the division of Continuing Education at Amherst now enroll about 1,500 students, though the program is

only three years old. And the division has begun to operate a Weekend College, offering courses on Saturday. The Continuing Education program is entirely self-supporting, and its rapid growth is evidence that it is fulfilling a real need.

Finally, the University's presence in the community calls it to missions of public service which are essentially those of a good neighbor. This has been particularly important in Boston, where construction of an entirely new campus in an urban environment has inevitably caused fears and strains.

The new Chancellor of the Boston campus, Carlo Golino, has enthusiastically begun to address himself to the task of building a constructive relationship with our Dorchester and South Boston neighbors. He has led a program of active cooperation with a broad range of neighborhood groups. The University has aggressively sought employees from the area most affected by its presence, and has loaned its professional skills and resources to a planning effort we hope can lead to constructive community development.

But I should make clear the very real limits of the University's service capacity. It cannot replace other institutions whose functions are different from ours; it cannot uplift a political process which falters; it cannot make up for lack of performance in private business. Explicitly, at our new Boston campus, we can serve as a catalyst for cooperative development, but we cannot take the place of city service agencies.

Nor should we expect the majority or even a significant proportion of our professors and students to become engaged in the outside world. Important functions of the University proceed independently of current events. Many distinguished scholars have neither the inclination nor need to see the fruits of their learning put to immediate practical purposes. Many students learn best in classroom, library carrel and laboratory. In short, the University's role of outside assistance is one to be employed judiciously and with a clear sense of the appropriate moment and requisite skill.

THE CONSTANT AIMS: (3) Improving Collaboration in Higher Education

OF ALL THE CHANGES internally and externally the University has witnessed over the last three years, none is more dramatic than the pattern of relationships which has appeared among institutions of higher education, public and private.

In the public sector, a major movement toward reorganization is in process. Between the public and private sectors, new patterns of collaboration are being vigorously explored. If higher education in this state and region is to respond

effectively to the present demands, both efforts must succeed.

Nationally, distinguished bodies such as the Carnegie Commission are offering important comments on the educational and financial health of higher education. A fundamental reexamination of higher education is in progress, and we must be a part of that process, for it will shape our futures whether or not we participate.

Of more immediate local and regional concern are the efforts to reorganize the public sector of higher education in Massachusetts and the continuing efforts to build collaboration and cooperation across the state and the region.

The reorganization proposals that preoccupied executive and legislative attention during 1973 had praiseworthy objectives. It is clear that we must plan the University's programs in closer concert with the community and state college systems, with Lowell Technological Institute (soon to be merged with Lowell State College to form the University of Lowell) and Southeastern Massachusetts University. It is obvious that we need much better budgetary and educational coordinating arrangements. It is certain that we must be acutely aware of the cost and benefits of new educational activities and undertakings.

But in my judgement and in that of almost every leader in higher education in the Commonwealth, the specifics of the reorganization plan did not fulfill those objectives. I was, therefore, pleased that rather than taking definitive action, the Joint Committee on Education of the General Court authorized further study. I look forward to working with my colleagues in public higher education in developing more feasible and effective reorganization plans.

Just as there is need for new directions in coordination of the public sector, so we have continued to act on our recognition of the need for better coordination between the public and the private sectors. The well established pattern of cooperation among the five colleges in the Amherst region continues at an impressive rate, with 2,684 fall, 1973, course enrollments in the course exchange program. In Worcester, the University's Medical School is a full member of the Worcester Consortium, and as the school and its Teaching Hospital become fully operative we look forward to broadening and deepening collaborative arrangements. In the Boston area, I have continued to meet regularly with my colleagues in the "Boston Eight," whose other members are the Presidents of seven major private institutions. We have commissioned a study of the economic impact of educational institutions in the Boston region. We have successfully collaborated in gaining passage of state legislation effectively outlawing companies which sold term papers. We are concerned with federal legislation for student aid and affirmative action and we continue to work for adequate resources for our collective continuing development. Specifically I have urged the General Court to triple state aid for scholarships at both public and private institutions.

We have also joined with institutions in the private sector in looking for ways to establish on a formal basis a central, statewide working forum which would include representatives of both the private and the public sectors. Graduate and professional education is one important area of our plans for closer collaboration and study, and we are also working to design an "Equal Opportunity Pool" which will test the state's capacity to provide greater equality of educational opportunity while filling unused capacity in private institutions. It is based on the policy that every high school graduate in Massachusetts should have the opportunity to pursue post-secondary education and should have the ability to choose from among a diverse set of institutions — large or small, public or private — without regard to financial ability.

The search for new patterns of cooperation has extended beyond the borders of the Commonwealth. In November, 1972, the presidents of the six land-grant universities of New England joined, in what we called the "Durham Declaration," in pledging to explore ways we could help each other to improve educational opportunities for our region while avoiding needless duplication. We have acted on this pledge by forming a Joint Operations Committee, chaired by Donald E. Nicoll, which has begun to explore the range of graduate programs offered by our six institutions.

THE CONSTANT AIMS: (4) Improving the Effectiveness of Learning and Teaching

THE CARNEGIE COMMISSION, which recently completed its series of reports on higher education, repeatedly emphasized the need for innovation in the techniques and practices of colleges and universities. Innovation for innovation's sake has never appealed to me, but I think the record does show that institutions of higher learning have not been among the leaders of American enterprises in promoting internal change. Despite the fact that we are the source of much knowledge, we often fail to practice what we preach. We have been slower than government and industry to use new techniques in communications, such as television, and in our administration slower to use informational and analytical facilities such as computers.

The intern and field programs I discussed earlier represent some innovation in our practices. The University Without Walls program, the success of Continuing Education on the Amherst campus, the opening of the College of Public and Community Service and the planning for a new, professionally oriented college in Boston are important signs of adaptation. Experiments such as Project 10 at

Amherst show us new ways of considering how to mix learning with living, and in Boston, the Institute for Learning and Teaching is an important effort to relate classroom learning to the new needs of an urban school system.

But these efforts have not yet had a major effect on the entire University. Fundamentally, we have yet to tackle the issue of how we teach, of what may be the best blend of residential programs, classroom instruction, work-study programs and independent study. How can we most effectively transmit knowledge to the young men and women, enormously more sophisticated than a generation ago, who come to our doors?

I hope to give the search for effective innovation special emphasis during the coming year. To that end I will call upon the advice and counsel of a wide variety of my colleagues, ranging from those who believe that the experience and traditions of the past continue to point the way to the pedagogy of the future to those who call for radical restructuring of our techniques. As well as healthy and rational debate, I expect this effort will provide new directions for the freshman year, for professional education, and for collaboration among our campuses.

The Medical School

While the search for quality, the thrust for service, the striving toward the movement of collaboration, and the commitment to innovation affect all our campuses today their focus is found most clearly at Worcester.

Chancellor Soutter's heroic efforts over the past ten years have borne fruit in ways tangible and intangible. The new medical science building now completed is an educational and architectural triumph. The completion of the teaching hospital will result in a complex of medical education facilities of which every citizen of Massachusetts can be proud. Chancellor Soutter has assembled a distinguished faculty and his students have maintained a level of performance on the National Board Examinations which has placed them high among medical students in the nation. In May, the first commencement at the Medical School occurs, and the first graduating class will leave to start their hospital training.

Major problems loom: how to provide for effective operation and financing of the Teaching Hospital as it comes on line; how to assure that we implement our program of family practice so that it will serve the Commonwealth; how to recruit minority students and minority faculty.

The Medical School is now in a stage of transition during which time these issues must be resolved and the provision of continued leadership assured. My office and the entire University will support these undertakings in every way.

THROUGHOUT THE MORE THAN THREE YEARS of concentrated effort in establishing a genuine university structure from disparate campuses, in carrying out commitments made almost a decade ago, in reacting to abrupt changes in the availability of resources and in public attitudes toward higher education, the university scene has often appeared volatile and sometimes turbulent.

But given the circumstances of national life overall, I doubt that peace and quiet was a realistic expectation. I do detect now a new period where basic purposes will reassert themselves. Our duties of teaching and learning, of research and service can now, I think, be increasingly pursued in a calmer atmophere and where the accomplishments of past efforts come to be seen and understood. In this context, we can expect to advance in quality and achievement even more rapidly than in the years just past.

PRESIDENT OF THE UNIVERSITY

The Board of Trustees

THE RAPID GROWTH of the University, its transition to a multi-campus institution, and its enhanced academic distinction are tributes to the dedication and wisdom of the Board of Trustees. Under the leadership of Chairman Joseph P. Healey, the Trustees have continued to work incredibly hard and with extraordinary effectiveness.

The new Trustee Policy on University Governance, adopted in 1973, has had important implications for the structure of the Board itself and for the University administration. The new policy, making explicit the principle of joint effort and participation in managing the University, has led to establishment of two new multi-campus committees with Trustee, faculty, staff, and student participation. These committees will be concerned with the budget and with long-range planning. In addition, the Board has realigned the structure of its own committees.

Franklin K. Patterson, the Frank L. Boyden Professor of the University, agreed during 1973 to take on additional duties as Secretary of the University, and the Office of the Secretary was moved from Amherst to the President's Office in Boston. Robert J. McCartney, who had served the Board and the University with distinction and dedication as Secretary since 1964, became Assistant to the President for Liaison Services. He will assist the President, Secretary and Chancellors in coordinating the efforts of the various participants in the governance process.

University Administration

NOW LOCATED AT One Washington Mall, Boston, the Office of the President has also been affected by changes in governance policy and there have been realignments in the functional responsibilities assigned to Vice Presidents. In addition, the post of Vice President for Academic Affairs, suggested in the study that guided the establishment of the President's Office, has been activated. The new Senior Vice President for Academic Affairs is Ernest A. Lynton, a distinguished physicist and the Dean of Livingston College, Rutgers University, from its founding in 1965 until 1973. The other Vice Presidents are Peter B. Edelman, Vice President for University Policy, and Nan S. Robinson, Vice President for Planning, who are responsible for carrying out the two other major staff roles reflecting areas of primary Presidential responsibility specified in the governance document.

The Amherst Campus

The University of Massachusetts at Amherst acquired the unpublished papers and correspondence of the late W.E.B. DuBois, a Massachusetts native who became one of the great black leaders of the century. Publication of the material began in 1973 with the issuance of *The Education of Black People*, a collection of essays, and *The Correspondence of W.E.B. DuBois, Volume I*. This is the first in a three-volume edition of the DuBois correspondence and it includes selections from 1877 to 1934. In addition, five volumes of the DuBois collected papers are anticipated. The collection is housed in the new University Library.

The existing form of University governance received a vote of confidence in a faculty election on establishment of a collective bargaining unit, with a total of 718 opposed to unionization and 510 in favor. A significant factor was the level of faculty participation — 97 per cent of eligible faculty members cast ballots.

Some basic changes in academic organization were accomplished. The former School of Nursing and the Department of Public Health became divisions in the School of Health Sciences, while the major units comprising the former School of Home Economics were allocated by function among the College of Food and Natural Resources, the School of Education, and the Department of Art of the College of Arts and Sciences. An alternative education project for freshmen, the Global Survival Freshman Year program, began in the fall, providing 100 participants opportunity for interdisciplinary study relating to survival on this planet.

International attention was focussed on efforts at the Amherst campus to develop new sources of usable energy, and the strong campus thrust toward pollu-

tion control and abatement continued on many fronts. A no-fare bus transport system was begun under an initial grant from the U.S. Urban Mass Transportation Administration.

Special legislation enacted in August will allow appointment of a study commission to determine feasibility and operation of a new industry "incubator" at the Amherst campus. Under the plan, University resources would be brought together with inventive minds from across the Commonwealth to produce social and economic benefits through innovations in industry which might otherwise occur more slowly or not at all. Work with the needle trades industry in Fall River was continued under a National Science Foundation grant to foster cooperative development and use of modern resources and services with a view toward increased productivity.

Under a $300,000 grant approved late in the year by the Sloan Foundation, a Center for Systems Neuroscience will be developed on the Amherst campus, to carry out neurocybernetics research and to train outside scientists in system theories of brain function. The Center will build on existing Five College cooperation in the neuroscience field.

The Boston Campus

Dr. Carlo L. Golino, the Vice Chancellor of the University of California Riverside Campus, was selected by the Board of Trustees as new Chancellor of the University of Massachusetts at Boston. A Romance Languages scholar, Dr. Golino was selected by a search committee which examined the qualifications of several hundred candidates.

Administrators moved into new offices at the new Columbia Point campus in July and prepared for the move of most students and academic activities from the temporary Park Square area facilities. Arrangements were made for free, frequent shuttle bus service connecting the campus with the Columbia MBTA station, and classes opened on schedule at the new Harbor campus on January 28, 1974.

The Trustees reaffirmed their position that the University of Massachusetts at Boston would remain a commuter institution, would encourage use of public transportation to the campus, would seek to minimize student housing impact on neighboring communities, and would remain committed to furthering the economic and social well-being of the city. And they declared that the primary mission of the University at Boston is "to provide high quality educational opportunities to the residents of Boston and surrounding communities particularly those whose opportunities have been limited by income or race."

Two positive steps taken in the relationships between public and private institu-

tions of higher learning were agreements with Boston University and Hebrew University. The University signed an agreement with Boston University to sponsor programs produced by Boston campus faculty members and students over WBUR-FM. And the agreement with Hebrew University allows cross-registration of students.

The University also signed an agreement with the state Department of Correction which provides for educational programs for inmates. And an academic program for veterans was inaugurated.

A new Women's Studies Program, approved by the University Assembly, received large grants from the Carnegie Foundation and from the National Endowment for the Humanities to support its imaginative programs. The Religious Studies concentration is a new program, and the Afro-American Studies program was strengthened considerably with a new director and new curricular offerings.

The Worcester Campus

THE 40-MEMBER CLASS of 1977, which registered in September, is the Medical School's largest class, and pushed enrollment to 104. Admission of the large class was made possible by the completion of the Basic and Clinical Sciences Building, replacing temporary and increasingly crowded quarters in the Shaw Building. The new class comes from a wide variety of backgrounds, and its members are graduates of 21 different colleges and universities.

Full and part time faculty members number more than 200, and the Medical School has formal affiliation agreements with St. Vincent Hospital, Worcester City Hospital, Worcester Memorial Hospital and Hahnemann Hospital, all in Worcester; and with Wesson Women's Hospital in Springfield.

The new Basic and Clinical Sciences Building contains a library with a capacity of about 100,000 volumes; teaching and research facilities; and three amphitheaters. Also placed in operation during 1973 is the new power plant, which will supply heat, steam and air conditioning for the entire medical center.

Enrollment Statistics

TOTAL FULL TIME equivalent enrollment in the University for Fall, 1973, totalled 28,543, an increase of 3.6 percent over the previous fall. The breakdown by campus was as follows:

Amherst	*1972*	*1973*
Undergraduate	17,495	18,166
Graduate	3,797	3,500
Stockbridge	580	643
	21,872	22,309
Boston	5,630	6,130
Worcester	64	104

Report of the Treasurer

Summary of Operating Funds
Fiscal Year Ending June 30, 1973

Where the Operating Dollar Comes From . . . Amherst, Boston, Worcester

	Total Amount	*Percent of Total*
Funds from University Receipts:		
Tuition	$ 6,868,996.45	4.67
Residence Halls	435,992.76	.30
Sales and Services	519,199.70	.35
Total University Receipts to State Treasurer	7,824,188.91	5.32
Net Funds from Taxpayers of the Commonwealth	68,396,234.02	46.54
Sub-Total	76,220,422.93	51.86
Federal Government	15,693,946.64	10.68
Student Activities	3,103,642.01	2.11
Student Aid Funds	293,225.86	.20
Student Loan Funds Notes Receivable	4,362,027.48	2.97
Gifts and Grants	8,703,015.38	5.92
Auxiliary Enterprises	30,858,509.89	20.99
Endowment Income	192,137.47	.13
Agency Funds	7,547,616.73	5.14
Total Funds Available	$146,974,544.39	100.00

Total Funds Available	$146,974,544.39
Required Transfers and Clearing a/c (07) items	68,858,762.48
Total Expenditures, Transfers and Balances	$215,833,306.87

How It Is Spent . . . Amherst, Boston, Worcester

	Total Amount	*Percent of Total*
Instruction		
State Funds	$ 44,524,680.50	32.43
Federal Funds	4,073,472.03	2.97
Gifts and Grants	1,154,049.42	.84
Total Instruction	49,752,201.95	36.24
Library	3,571,383.61	2.60
Research	9,798,514.40	7.13
Public Service		
Agricultural Extension	2,637,191.95	1.92
State Agricultural Control Services	581,674.11	.42
Operation of Plant and Space Rentals	11,190,189.70	8.15
Administration	9,486,426.36	6.91
Student Service	3,589,334.89	2.61
Scholarships	2,539,503.39	1.85
Student Loan Funds Notes Receivable	4,362,027.48	3.18
Student Activities	3,235,543.58	2.36
Auxiliary Enterprises	26,497,851.71	19.30
Agency and Miscellaneous	10,073,186.97	7.33
Total Funds Used	137,306,030.10	100.00
Balance Carried Forward (Restricted Funds*)	9,668,514.29	
Total Funds Used and Balances	146,974,544.39	

*Balances, restricted funds, beginning of report year, $16,755,920.79

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UNIVERSITY OF MASSACHUSETTS

AMHERST • BOSTON • WORCESTER

FINANCIAL REPORT 1973

UNIVERSITY OF MASSACHUSETTS

Amherst Boston Worcester

FINANCIAL REPORT

FOR THE YEAR ENDED JUNE 30, 1973

Kenneth W. Johnson
Treasurer

BOARD OF TRUSTEES

JUNE 30, 1973

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John C. Boyden	Yarmouth Port
Reginald Cagle, Student Member, Boston Campus	Dorchester
Edmund J. Croce	Worcester
Dennis Michael Crowley	Boston
Robert D. Gordon	Boston
John William Haigis, Jr.	Greenfield
Joseph P. Healey	Arlington
Mrs. Eliot S. Knowles	South Dartmouth
Lorenzo D. Lamson	Southwick
George L. Pumphret	Dorchester
Gavin D. Robertson	Worcester
Mrs. George R. Rowland	Osterville
Alan Shaler	Easthampton
Mrs. Erline Shearer	Boston
Mrs. O. Phillip Snowden	Roxbury
Frederick S. Troy	Boston
Most Reverend Christopher Joseph Weldon	Springfield

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Nathan Chandler, Commissioner of Agriculture	Sterling Junction
Gregory R. Anrig, Commissioner of Education	Needham
Wilfred Bloomberg, Acting Commissioner of Mental Health	Boston
Michael P. Sullivan, Chairman, Board of Selectmen	Amherst

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Robert J. McCartney, Secretary	Amherst
Kenneth W. Johnson, Treasurer	Amherst

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William Roy Hamilton, Acting Chancellor, Boston Campus
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Kenneth W. Johnson, Treasurer
Robert H. Brand, Associate Treasurer
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William H. Maus, Controller

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AUDIT

IN ACCORDANCE WITH STATE LAW, ALL ACCOUNTS OF THE UNIVERSITY ARE EXAMINED EACH YEAR BY THE STATE AUDITOR. THE LAST AUDIT COVERED THE PERIOD OF THIS REPORT FROM JULY 1, 1972 TO JUNE 30, 1973.

BALANCE SHEET AS OF JUNE 30, 1973

STATE FUNDS

ASSETS			LIABILITIES, RESERVES & FUND BALANCES		
APPROPRIATION BALANCES HELD BY STATE TREASURER:					
MAINTENANCE	$ 718,000.30		SYSTEMS APPROPRIATION BALANCE	$ -0-	
OTHER MAINTENANCE	102,895.69		AMHERST APPROPRIATION BALANCE	541,121.72	
CAPITAL OUTLAY & SPECIAL APPROPRIATIONS	647,099.93		BOSTON APPROPRIATION BALANCE	140,837.52	
TOTAL APPROPRIATION BALANCE		$1,467,995.92	WORCESTER APPROPRIATION BALANCE	786,036.68	
ACCOUNTS RECEIVABLE		13,448.23	TOTAL APPROPRIATION BALANCE		$1,467,995.92
			FUNDS DUE STATE TREASURER		13,448.23
		$1,481,444.15			
					$1,481,444.15

FEDERAL FUNDS

CASH-FIRST NATIONAL BANK OF AMHERST	$ 497,719.44		BALANCE FEDERAL APPROPRIATIONS	$ 320,546.23	
CASH-HAMPSHIRE NATIONAL BANK	25,000.00		NATIONAL DEFENSE LOAN FUND	4,275,124.85	
NOTES RECEIVABLE-NAT'L DEFENSE STUDENT LOANS	4,117,527.49		NURSING STUDENT LOAN PROGRAM	184,409.04	
NOTES RECEIVABLE-NURSING LOAN PROGRAMS	147,814.30		HEALTH PROFESSION STUDENT LOAN	28,301.11	
NOTES RECEIVABLE-HEALTH PROFESSION LOANS	20,320.00				$4,808,381.23
		$4,808,381.23			

ENDOWMENT FUNDS

INCOME FIRST NATIONAL BANK OF AMHERST-CHECKING ACCOUNT	$ 7,442.66		INCOME ON INVESTMENTS	$ 145,762.40	
INCOME AMHERST SAVINGS BANK	10,000.00		UNPAID CHECK FUND	1.86	
INCOME FIRST NATIONAL BANK OF AMHERST-TRUST DEPARTMENT	13,067.50				
INCOME FIRST NATIONAL BANK OF AMHERST-SAVINGS	115,254.10				
		$ 145,764.26			$ 145,764.26
PRINCIPAL-FIRST NATIONAL BANK OF AMHERST	$ 6,855.28		PRINCIPAL OF FUND	$1,706,530.89	
PRINCIPAL-AMHERST SAVINGS BANK	2,531.79				
PRINCIPAL-POOL INVESTMENTS-SECURITIES	1,611,004.59		RESERVE FOR PROFIT & LOSS ON POOLED INVESTMENTS	155,602.47	
INVESTMENTS IN LAND	151,299.23				
UNAMORTIZED PREMIUM ON POOL INVESTMENTS	2,442.47				
		1,774,133.36			
NOTES RECEIVABLE		88,000.00			1,862,133.36
		$2,007,897.62			$2,007,897.62

(continued next page)

BALANCE SHEET AS OF JUNE 30, 1973

TRUST & AGENCY FUNDS

ASSETS

OPERATING ACCOUNTS:	
CASH ON HAND	$ 120,150.00
FIRST NATIONAL BANK OF AMHERST	296,630.15
FIRST NATIONAL BANK OF BOSTON	100,000.00
STATE STREET BANK & TRUST COMPANY	60,073.12
WORCESTER COUNTY NATIONAL BANK	-0-
DAILY INTEREST:	
FIRST NATIONAL BANK OF AMHERST	536,527.43
FIRST NATIONAL BANK OF BOSTON	23,485.26
COMMUNITY SAVINGS BANK	25,000.00
SPRINGFIELD INSTITUTE FOR SAVINGS	23,000.00
NORTHAMPTON INSTITUTE FOR SAVINGS	12,000.00
COMMON STOCK:	
SHARES OCEAN SPRAY CRANBERRIES, INC.	4,075.00
PREFERRED STOCK:	
SHARES OCEAN SPRAY CRANBERRIES, INC 4% PREFERRED	2,080.00
GOVERNMENT BONDS AND NOTES:	
250,000 FEDERAL NATIONAL MORTGAGE ASSOCIATION 7.75% DUE 3/11/74	250,000.00
CERTIFICATES OF DEPOSIT:	
WORCESTER COUNTY NATIONAL BANK 7.25 8/8/73	500,000.00
THIRD NATIONAL BANK OF HAMDEN COUNTY 6.25 8/8/73	1,000,000.00
WORCESTER COUNTY NATIONAL BANK 6.00 10/2/73	500,000.00
STATE STREET BANK AND TRUST CO. 6.00 10/4/73	1,000,000.00
STATE STREET BANK AND TRUST CO. 6.00 12/24/73	500,000.00
COMMERCE BANK AND TRUST COMPANY 6.00 1/17/74	300,000.00
VALLEY BANK AND TRUST COMPANY 6.25 2/8/74	1,000,000.00
NINETY DAY NOTICE:	
AMHERST SAVINGS BANK	139,686.27
BAY STATE SAVINGS BANK	25,000.00
BERKSHIRE COUNTY SAVINGS BANK	26,455.16
EASTHAMPTON SAVINGS BANK	35,000.00
FALL RIVER FIVE CENT SAVINGS BANK	26,562.76
LYNN INSTITUTION FOR SAVINGS	25,000.00
NEW BEDFORD INSTITUTE FOR SAVINGS	29,210.74
PROVIDENT INSTITUTION FOR SAVINGS	15,000.00
UNION WARREN SAVINGS BANK	25,000.00
WARE SAVINGS BANK	34,310.19
WORONOCO SAVINGS BANK	25,000.00
SAVINGS ACCOUNT:	
EAST CAMBRIDGE SAVINGS BANK	17,334.51

LIABILITIES, RESERVES AND FUND BALANCES

SYSTEM:		
CLEARING ACCOUNT	$ 7,979.45	
GENERAL PURPOSE FUND	188,164.52	
GIFTS & GRANTS PENDING TRUSTEE ACTION	161.32	
NON-PROFIT ORGANIZATION & FOUNDATIONS	30,508.02	
		$ 226,813.31
AMHERST:		
FEDERAL FELLOWSHIP	2,772.49	
MISCELLANEOUS FELLOWSHIP	56,326.19	
SCHOLARSHIP	133,163.11	
AUXILIARY ENTERPRISES	2,419,752.00	
CLEARING ACCOUNT	(393,089.51)	
GENERAL PURPOSE	1,162,277.61	
GIFTS & GRANTS PENDING TRUSTEE ACTION	9,224.78	
LIBRARY FUNDS	45,836.30	
MISCELLANEOUS SERVICE FUND	334,728.75	
STUDENT PROGRAM	535,270.96	
SPONSORED RESEARCH	245,372.68	
U. OF M. SPONSORED RESEARCH	74,746.81	
NON-PROFIT ORGANIZATION & FOUNDATIONS	461,242.16	
FEDERAL GRANTS & CONTRACTS - TRAINING	43,603.06	
FEDERAL GRANTS & CONTRACTS - FACILITIES	15,576.00	
FEDERAL GRANTS & CONTRACTS - OTHER	61,353.10	
FEDERAL GRANTS & CONTRACTS - RESEARCH	257,451.43	
		5,465,607.92
BOSTON:		
SCHOLARSHIP	38,752.56	
AUXILIARY ENTERPRISES	59,450.72	
CLEARING ACCOUNT	(337,171.18)	
GENERAL PURPOSE	112,593.26	
LIBRARY FUNDS	1,000.00	
MISCELLANEOUS SERVICE FUND	4,024.18	
STUDENT PROGRAM	132,058.53	
SPONSORED RESEARCH	54.10	
U. OF M. SPONSORED RESEARCH	5,937.83	
NON-PROFIT ORGANIZATION & FOUNDATIONS	100,149.58	
FEDERAL GRANTS & CONTRACTS - TRAINING	197.13	
FEDERAL GRANTS & CONTRACTS - OTHER	458.16	
FEDERAL GRANTS & CONTRACTS - RESEARCH	6,789.71	
		124,294.58
MEDICAL SCHOOL AT WORCESTER:		
SCHOLARSHIP	6,168.95	
CLEARING ACCOUNT	824.16	
GENERAL PURPOSE	141,864.80	
LIBRARY FUNDS	295.50	
NON-PROFIT ORGANIZATION & FOUNDATIONS	10,223.71	
FEDERAL GRANTS & CONTRACTS FOR RESEARCH	1,126.49	
		160,503.61

(continued next page)

BALANCE SHEET AS OF JUNE 30, 1973
TRUST & AGENCY FUNDS (Cont.)

ASSETS	
TOTAL CASH & SECURITIES	$6,676,580.59
ADVANCES FROM STATE TREASURER	1,360,180.16
RECEIVABLE FROM FEDERAL LETTER OF CREDIT	384,111.31
NOTES RECEIVABLE	76,365.69
	$8,497,237.75

LIABILITIES, RESERVES AND FUND BALANCES			
AGENCY FUND:	SYSTEM	$ 94,212.24	
	AMHERST	569,234.15	
	BOSTON	3,376.81	
	WORCESTER	3,832.76	
			$ 670,655.96
FUND TRANSFER CLEARING			321,763.87
ADVANCE BY STATE TREASURER			1,360,180.16
STUDENT LOAN FUNDS			167,418.34
			$8,497,237.75

U. OF M. TRUSTEE, U. OF M. BUILDING AUTHORITY

FIRST NATIONAL BANK OF AMHERST - CHECKING		
FIRST PROJECT	$ 50,032.21	
SECOND PROJECT	17,736.93	
FOURTH PROJECT	3,244.97	
SIXTH PROJECT	4,456.97	
EIGHTH PROJECT	10,017.16	
TENTH PROJECT	17,137.73	
ELEVENTH PROJECT	53,976.87	
TWELFTH PROJECT	26,329.02	
THIRTEENTH PROJECT	5,583.60	
		$188,515.46
FIRST NATIONAL BANK OF AMHERST - SAVINGS		
FIRST PROJECT	$ 16,204.63	
SECOND PROJECT	351,387.76	
FOURTH PROJECT	61,582.66	
SIXTH PROJECT	135,872.37	
EIGHTH PROJECT	29,447.06	
TENTH PROGECT	7,022.22	
ELEVENTH PROJECT	28,176.30	
TWELFTH PROJECT	7,098.72	
THIRTEENTH PROJECT	15,733.67	
		652,525.39
		$841,040.85

MAINTENANCE & OPERATING ACCOUNT		
FIRST PROJECT	$ 66,206.84	
SECOND PROJECT	369,094.69	
FOURTH PROJECT	64,622.63	
SIXTH PROJECT	140,329.34	
EIGHTH PROJECT	39,464.22	
TENTH PROJECT	24,159.95	
ELEVENTH PROJECT	-0-	
TWELFTH PROJECT	33,427.74	
THIRTEENTH PROJECT	21,317.27	
		$758,622.68
UNPAID CHECK FUND		
FIRST PROJECT	$ 30.00	
SECOND PROJECT	30.00	
FOURTH PROJECT	205.00	
		265.00
PRINCIPAL		
ELEVENTH PROJECT		82,153.17
		$841,040.85

BALANCE SHEET AS OF JUNE 30, 1973

PLANT FUNDS

ASSETS		LIABILITIES, RESERVES & FUND BALANCES	
LAND	$ 7,317,069.00	NET INVESTMENT IN AMHERST PLANT	$154,995,660.16
BUILDINGS	102,448,556.00	NET INVESTMENT IN BOSTON PLANT	6,024,318.00
IMPROVEMENTS OTHER THAN BUILDINGS	19,713,253.16	NET INVESTMENT IN WORCESTER PLANT	2,778,669.00
EQUIPMENT	34,409,338.00	NET INVESTMENT IN SYSTEM PLANT	89,569.00
	$163,888,216.16		$163,888,216.16
TOTAL ASSETS	$181,524,217.76	TOTAL LIABILITIES, RESERVES & FUND, BALANCES	$181,524,217.76

STATE GENERAL MAINTENANCE APPROPRIATION

COMPARATIVE STATEMENT OF EXPENDITURES BY YEAR

AMHERST - BOSTON - WORCESTER - SYSTEM

	1971		1972		1973	
DIVISION	AMOUNT	% OF TOTAL	AMOUNT	% OF TOTAL	AMOUNT	% OF TOTAL
ADMINISTRATION	$ 6,393,667.71	11.18	$ 8,748,706.58	13.38	$ 9,208,218.88	12.80
INSTRUCTION	40,012,330.33	70.00	44,877,374.87	68.61	50,392,681.76	70.02
EXTENSION SERVICE	872,718.05	1.53	789,590.82	1.21	804,617.01	1.12
EXPERIMENT STATION	984,279.89	1.72	1,120,108.89	1.71	1,066,831.98	1.48
CONTROL SERVICE	467,125.43	.82	569,773.97	.87	581,674.11	.81
OPERATION OF PLANT	8,433,704.83	14.75	9,303,476.53	14.22	9,911,794.09	13.77
	$57,163,826.24	100.00	$65,409,031.66	100.00	$71,965,817.83	100.00

BY SUBSIDIARY ACCOUNT
FOR ALL CAMPUSES

CODE NO.	ACCOUNT	1971	1972	1973
01	SALARIES	$41,290,517.20	$47,128,785.21	$54,675,645.08
02	SALARIES, OTHER	660,203.37	683,983.12	964,205.24
03	SERVICE, NON-EMPLOYEES	6,757,404.42	7,279,924.07	6,099,050.16
04	FOOD	860.00	2,500.00	1,500.00
05	CLOTHING	5,999.58	14,220.92	15,956.11
06	HOUSEKEEPING SUPPLIES & EXPENSES	110,549.36	127,375.29	113,640.03
07	LAB. MED. & GENERAL CARE	15,173.97	15,465.22	14,266.83
08	HEAT & OTHER PLANT OPERATIONS	1,779,847.25	2,568,263.92	2,822,830.47
09	FARM & GROUNDS	116,834.77	128,741.89	99,027.45
10	TRAVEL & AUTOMOTIVE EXPENSES	242,753.35	267,577.03	244,768.05
11	ADVERTISING & PRINTING	207,810.64	240,113.59	228,283.02
12	REPAIR, ALTERATION & ADDITIONS	836,294.66	1,055,920.30	922,696.75
13	SPECIAL SUPPLIES & EXPENSES	1,233,774.91	1,496,043.24	1,661,962.42
14	OFFICE & ADMINISTRATIVE EXPENSES	736,976.08	862,986.26	1,056,493.41
15	EQUIPMENT	926,757.67	994,968.02	416,732.93
16	RENTALS	2,242,069.01	2,542,163.58	2,628,759.88
	TOTAL	$57,163,816.24	$65,409,031.66	$71,965,817.83

SUMMARY OF RECEIPTS, TRANSFERS & BALANCES

I. STATE APPROPRIATION			
GENERAL MAINTENANCE			
SYSTEM	$ 512,087.00		
AMHERST	57,837,173.00		
BOSTON	11,166,100.00		
WORCESTER	3,217,269.43		
SUBTOTAL		$72,732,629.43	
OTHER MAINTENANCE			
SYSTEM	$ 2,089,537.00		
AMHERST	186,733.74		
SUBTOTAL		$ 2,276,270.74	
CAPITAL OUTLAY & SPECIALS			
AMHERST	$ 1,035,995.21		
BOSTON	146,753.85		
WORCESTER	106,693.18		
SUBTOTAL		$ 1,289,442.24	
LESS: BALANCES REVERTED TO STATE TREASURER			
SYSTEM	$ 18,483.07		
AMHERST	32,981.41		
BOSTON	26,453.14		
WORCESTER	1.86		
SUBTOTAL		$ (77,919.48)	
NET TOTAL - STATE APPROPRIATION			$76,220,422.93
II. FEDERAL APPROPRIATION			
BALANCE, JULY 1, 1972		$ 483,327.80	
TRANSFERS		127,751.18	
CURRENT YEAR RECEIPTS		2,927,869.91	
TOTAL FEDERAL APPROPRIATION			$ 3,538,948.89
III. ENDOWMENT INCOME			
BALANCE, JULY 1, 1972		$ 110,200.84	
UNIVERSITY INCOME		79,913.31	
STATE INCOME		2,023.32	
TRANSFERS		75,352.85	
TOTAL INCOME			$ 267,490.32
IV. STUDENT LOAN FUNDS			
BALANCE, JULY 1, 1972		$ 4,077,276.66	
ADJUSTMENT FOR PRIOR YEAR CANCELLATION		2,585.00	
ADJUSTED BALANCE		4,074,691.66	
INTEREST INCOME & ADDITIONS		592,640.79	
TOTAL		$ 4,667,332.45	
LESS: LOANS CANCELLED		12,079.11	
NET TOTAL			$ 4,655,253.34
V. U. OF M. TRUSTEE FOR U. OF M. BUILDING AUTHORITY			
BALANCE, JULY 1, 1972		$ 631,036.32	
CURRENT YEAR RECEIPTS		8,802,881.96	
TRANSFERS		3,943,833.20	
TOTAL			$13,377,751.48
VI. TRUST & AGENCY FUNDS			
BALANCE, JULY 1, 1972		$ 6,898,688.73	
TRANSFERS		25,379,446.70	
CURRENT YEAR RECEIPTS:			
SYSTEM	$11,587,734.09		
AMHERST	70,970,133.13		
BOSTON	2,794,833.19		
WORCESTER	142,604.07		
SUBTOTAL		85,495,304.48	
TOTAL			$117,773,439.91
TOTAL - RECEIPTS, TRANSFERS, & BALANCES			$215,833,306.87

SUMMARY OF EXPENDITURES, TRANSFERS & BALANCES

I. STATE APPROPRIATION			
GENERAL MAINTENANCE			
ADMINISTRATION	$ 9,208,218.88		
INSTRUCTION	50,392,681.76		
EXTENSION SERVICE	804,617.01		
EXPERIMENT STATION	1,066,831.98		
CONTROL SERVICE	581,674.11		
OPERATION OF PLANT	9,911,794.09		
SUBTOTAL		$ 71,965,817.83	
OTHER MAINTENANCE		2,151,668.22	
CAPITAL OUTLAY & SPECIAL			
AMHERST	$ 590,501.17		
BOSTON	5,784.85		
WORCESTER	38,654.94		
		634,940.96	
BALANCE OF APPROPRIATION FORWARDED			
AMHERST	$ 541,121.72		
BOSTON	140,837.52		
WORCESTER	786,036.68		
SUBTOTAL		1,467,995.92	
TOTAL			$ 76,220,422.93
II. FEDERAL APPROPRIATION			
TRANSFERS		$ 127,751.18	
EXPENDITURES		3,090,911.05	
BALANCE, JUNE 30, 1973		320,286.66	
TOTAL			$ 3,538,948.89
III. ENDOWMENT INCOME			
EXPENSES		$ 46,375.07	
TRANSFERS		75,352.85	
BALANCE, JUNE 30, 1973		145,762.40	
TOTAL			$ 267,490.32
IV. STUDENT LOAN FUNDS			
AMHERST, JUNE 30, 1973, BALANCE		$ 4,618,128.07	
BOSTON, JUNE 30, 1973, BALANCE		9,880.33	
WORCESTER, JUNE 30, 1973, BALANCE		27,244.94	
TOTAL			$ 4,655,253.34
V. U. OF M. TRUSTEE FOR U. OF M. BUILDING AUTHORITY			
EXPENSES		$ 8,592,877.43	
TRANSFERS		3,943,833.20	
BALANCE, JUNE 30, 1973		841,040.85	
TOTAL			$ 13,377,751.48
VI. TRUST & AGENCY FUNDS			
TRANSFERS		$ 25,379,446.70	
REVOLVING ACCOUNTS - EXPENDITURES		78,547,795.87	
AGENCY ACCOUNT - EXPENDITURES		7,198,321.96	
SUBTOTAL		$111,125,564.53	
BALANCE, JUNE 30, 1973		6,647,875.38	
TOTAL			$117,773,439.91
TOTAL EXPENDITURES, TRANSFERS & BALANCES			$215,833,306.87

UNIVERSITY OF MASSACHUSETTS

Office of the President

SCHEDULE A-1

STATE APPROPRIATIONS

COMPARATIVE STATEMENT BY SUBSIDIARY ACCOUNT

SUBSIDIARY ACCOUNT		1971	1972	1973
GENERAL MAINTENANCE				
7400-0010-01	SALARIES, PERMANENT	$ -0-	$ 283,970.00	$ 290,755.00 *
7400-0010-02	SALARIES, OTHER	-0-	1,530.00	1,600.00 *
7400-0010-03	SERVICES, NON-EMPLOYEE	-0-	10,500.00	11,250.00
7400-0010-08	HEAT AND OTHER PLANT OPERATIONS	-0-	-0-	4,500.00
7400-0010-10	TRAVEL & AUTOMOTIVE EXPENSE	3,000.00	4,500.00	4,500.00
7400-0010-11	ADVERTISING & PRINTING	2,200.00	3,000.00	4,230.00
7400-0010-12	REPAIR & ALTERATIONS	-0-	1,000.00	500.00
7400-0010-13	SPECIAL SUPPLIES & EXPENSES	-0-	12,000.00	3,690.00
7400-0010-14	OFFICE & ADMINISTRATIVE EXPENSES	14,300.00	17,000.00	37,963.00
7400-0010-15	EQUIPMENT PURCHASES	31,500.00	5,000.00	2,500.00
7400-0010-16	RENTALS	49,000.00	48,250.00	81,165.00
		$100,000.00	$ 386,750.00	$ 442,653.00
GOVERNMENT SERVICES				
7400-0100-01	SALARIES, PERMANENT	$ -0-	$ 35,651.00	$ 41,540.00
7400-0100-02	SALARIES, OTHER	-0-	1,250.00	-0-
7400-0100-03	SERVICES, NON-EMPLOYEE	-0-	20,699.00	16,049.00
7400-0100-10	TRAVEL & AUTOMOTIVE EXPENSE	-0-	2,800.00	3,556.00
7400-0100-11	ADVERTISING & PRINTING	-0-	500.00	-0-
7400-0100-12	REPAIRS & ALTERATIONS	-0-	-0-	3,510.00
7400-0100-13	SPECIAL SUPPLIES & EXPENSES	-0-	1,500.00	99.00
7400-0100-14	OFFICE & ADMINISTRATIVE EXPENSES	-0-	3,800.00	700.00
7400-0100-15	EQUIPMENT PURCHASES	-0-	1,100.00	3,980.00
		$ -0-	$ 67,300.00	$ 69,434.00
OTHER MAINTENANCE				
7400-0110-15	MATCHING EQUIPMENT	$ -0-	$ 200,000.00	$ 62,500.00
7400-0111-13	LIBRARY BOOKS	-0-	480,000.00	456,000.00
7400-0112-03	SENIOR INTERNSHIP	-0-	-0-	26,250.00
7400-0113-03	LEGISLATIVE INTERNSHIP	-0-	-0-	26,250.00
7400-9604-03	DISADVANTAGED STUDENTS	-0-	49,000.00	50,830.80
7400-9604-13	DISADVANTAGED STUDENTS	-0-	651,000.00	616,706.20
7400-9704-13	SCHOLARSHIPS	-0-	850,000.00	850,000.00
7411-1012-14	ENTERTAINMENT OF DISTINGUISHED VISITORS	-0-	-0-	1,000.00
		$ -0-	$2,230,000.00	$2,089,537.00
		$100,000.00	$2,684,050.00	$2,601,624.00

*$7,115.46 for Retroactive Payroll (12/26/71 to 6/24/72) paid from state Reserve (1599-2013) not recorded as expense of University.

SCHEDULE A-2

STATE GENERAL MAINTENANCE APPROPRIATIONS

SUMMARY OF EXPENDITURES BY FUNCTIONAL DIVISION & SUBSIDIARY ACCOUNTS

ACCOUNT NAME & NUMBER		APPROPRIATION & ALLOTMENT	EXPENDITURES & ENCUMBRANCES ADMINISTRATION	EXPENDITURES & ENCUMBRANCES INSTRUCTION	REVERTED TO STATE TREASURER	BALANCE OF APPROPRIATIONS JUNE 30, 1973
GENERAL MAINTENANCE						
7400-0010-01	SALARIES, PERMANENT	$ 290,755.00	$289,957.93	$ -0-	$ 797.07	$ -0-
7400-0010-02	SALARIES, OFFICE	1,600.00	1,298.48	-0-	301.52	-0-
7400-0010-03	SERVICES, NON-EMPLOYEES	11,250.00	10,913.81	-0-	336.19	-0-
7400-0010-08	HEAT & OTHER PLANT OPERATIONS	4,500.00	4,500.00	-0-	-0-	-0-
7400-0010-10	TRAVEL & AUTOMOTIVE EXPENSE	4,500.00	4,496.75	-0-	3.25	-0-
7400-0010-11	ADVERTISING & PRINTING	4,230.00	4,196.67	-0-	33.33	-0-
7400-0010-12	REPAIRS & ALTERATIONS	500.00	474.95	-0-	25.05	-0-
7400-0010-13	SPECIAL SUPPLIES & EXPENSES	3,690.00	3,682.87	-0-	7.13	-0-
7400-0010-14	OFFICE & ADMINISTRATIVE EXPENSES	37,963.00	37,904.31	-0-	58.69	-0-
7400-0010-15	EQUIPMENT PURCHASES	2,500.00	2,401.35	-0-	98.65	-0-
7400-0010-16	RENTALS	81,165.00	81,135.42	-0-	29.58	-0-
	TOTAL	$ 442,653.00	$440,962.54	$ -0-	$ 1,690.46	$ -0-
GOVERNMENT SERVICES						
7400-0100-01	SALARIES, PERMANENT	$ 41,540.00	$ -0-	$ 41,452.20	87.80	$ -0-
7400-0100-02	SALARIES, OTHER	-0-	-0-	-0-	-0-	-0-
7400-0100-03	SERVICES, NON-EMPLOYEES	16,049.00	-0-	15,880.08	168.92	-0-
7400-0100-10	TRAVEL & AUTOMOTIVE EXPENSES	3,556.00	-0-	3,513.14	42.86	-0-
7400-0100-11	ADVERTISING & PRINTING	-0-	-0-	-0-	-0-	-0-
7400-0100-12	REPAIRS & ALTERATIONS & ADDITIONS	3,510.00	-0-	2,839.00	671.00	-0-
7400-0100-13	SPECIAL SUPPLIES & EXPENSES	99.00	-0-	98.07	.93	-0-
7400-0100-14	OFFICE & ADMINISTRATIVE EXPENSES	700.00	-0-	700.00	-0-	-0-
7400-0100-15	EQUIPMENT PURCHASES	3,980.00	-0-	3,916.55	63.45	-0-
	TOTAL	$ 69,434.00	$ -0-	$ 68,399.04	$ 1,034.96	$ -0-
OTHER MAINTENANCE						
7400-0110-15	MATCHING EQUIPMENT	$ 62,500.00	$ -0-	$ 62,429.65	$ 70.35	$ -0-
7400-0111-13	LIBRARY BOOKS	456,000.00	-0-	455,893.00	107.00	-0-
7400-0112-03	SENIOR INTERNSHIP	26,250.00	-0-	25,809.89	440.11	-0-
7400-0113-03	LEGISLATIVE INTERNSHIP	26,250.00	-0-	21,973.80	4,276.20	-0-
7400-9604-03	DISADVANTAGED STUDENTS	50,830.80	-0-	44,846.91	5,983.89	-0-
7400-9604-13	DISADVANTAGED STUDENTS	616,706.20	-0-	614,240.70	2,465.50	-0-
7400-9704-13	SCHOLARSHIP	850,000.00	-0-	847,585.40	2,414.60	-0-
7411-1012-14	ENTERTAINMENT OF DISTINGUISHED VISITORS	1,000.00	1,000.00	-0-	-0-	-0-
	TOTAL	$2,089,537.00	$ 1,000.00	$2,072,779.35	$15,757.65	$ -0-
	GRAND TOTAL	$2,601,624.00	$441,962.54	$2,141,178.39	$18,483.07	$ -0-

SCHEDULE A-3

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	OFFICE OF PRESIDENT-BOSTON			
A01	OFFICE OF THE PRESIDENT	216,613.24	138,792.32	355,405.56
A03	OFFICE OF THE SECRETARY	46,736.56		46,736.56
A06	TREASURER	38,820.42		38,820.42
	DEPT TOTALS	302,170.22	138,792.32	440,962.54
	GOVERNMENT SERVICE			
A02	GOVERNMENT SERVICE	57,332.28	11,066.76	68,399.04
	DEPT TOTALS	57,332.28	11,066.76	68,399.04

SCHEDULE B-1

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 30 FEDERAL FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
30/05 MISCELLANEOUS UNPAID CHECK FUND	C01500	259.57	.00	.00	.00	259.57	A16 C
30/05 MISCELLANEOUS	TOTALS	259.57	.00	.00	.00	259.57	
SECT-30 FEDERAL FUNDS		259.57	.00	.00	.00	259.57	

SCHEDULE C-1

ENDOWMENT FUNDS - SUMMARY OF INVESTMENTS

AS OF JUNE 30, 1973

	COST OR BOOK VALUE		% OF TOTAL	
POOLED INVESTMENTS:				
BONDS AND NOTES				
GOVERNMENT	$164,417.16		8.83	
PUBLIC UTILITIES	290,606.18		15.61	
INDUSTRIAL	121,345.26		6.51	
		$ 576,368.60		30.95
PREFERRED STOCK		78,151.37		4.20
COMMON STOCK				
FINANCIAL	$ 84,147.31		4.52	
INDUSTRIAL	789,237.78		42.39	
UTILITIES	85,542.00		4.59	
		958,927.09		51.50
TOTAL POOLED SECURITIES		$1,613,447.06		86.65
CASH				
UNINVESTED CASH	$ 6,585.18		.35	
SAVINGS ACCOUNT	2,531.79		.14	
CASH IN TRANSIT	270.10		.01	
		9,387.07		.50
TOTAL POOLED INVESTMENTS		$1,622,834.13		87.15
NON-POOLED INVESTMENTS				
LAND		151,299.23		8.12
NOTES RECEIVABLE		88,000.00		4.73
		$1,862,133.36		100.00

SCHEDULE C-2

ENDOWMENT FUNDS - PRINCIPAL

STATEMENT OF POOLED INVESTMENTS
AS OF JUNE 30, 1973

DESCRIPTION	DATE OF ACQUISITION	COST OR BOOK VALUE	MARKET VALUE
GOVERNMENT BONDS AND NOTES			
35,000 U.S. TREASURY 4 1/8's DUE FEBRUARY 15, 1974	8/14/67	$ 34,792.19	$ 34,300.00
40,000 U.S. TREASURY 7 1/2's DUE AUGUST 15, 1976	12/31/70	40,478.72	40,537.00
25,000 FEDERAL NATIONAL MORTGAGE ASSOCIATION 5.20's DUE JANUARY 19, 1977	9/22/67	24,125.00	23,250.00
40,000 FEDERAL NATIONAL MORTGAGE ASSOCIATION 6.50's DUE JUNE 10, 1977	10/24/72	40,000.00	39,050.00
25,000 INTERNATIONAL BANK FOR RECONSTRUCTION & DEVELOPMENT 4 1/2's DUE FEBRUARY 1, 1990	7/15/65	25,021.25	18,000.00
TOTAL GOVERNMENT BONDS AND NOTES		$ 164,417.16	$ 155,137.00
PUBLIC UTILITY BONDS			
25,000 AMERICAN TELEPHONE & TELEGRAPH CO. DEBENTURE 4 3/8's DUE MAY 1, 1999	7/10/63-5/03/72	$ 23,373.60	$ 16,344.00
25,000 BOSTON EDISON CO. FIRST MORTGAGE 6 1/8's DUE JUNE 1, 1997, SERIES J.	9/22/68	25,500.02	21,313.00
25,000 CENTRAL HUDSON GAS & ELECTRIC CORP. 5 3/4's DUE FEBRUARY 1, 1978	3/03/71	25,000.00	23,625.00
30,000 COLUMBUS & SOUTHERN OHIO ELECTRIC 7% DUE JUNE 1, 1979	10/24/72	30,000.00	30,000.00
25,000 COMMONWEALTH EDISON CO. FIRST MORTGAGE 5 1/4's DUE APRIL 1, 1996	7/25/66-3/15/72	23,803.70	18,500.00
25,000 FLORIDA POWER & LIGHT CO. FIRST MORTGAGE 4 3/8's DUE DECEMBER 1, 1986	2/06/59-7/16/68	21,800.00	18,031.00
25,000 FLORIDA POWER & LIGHT CO. FIRST MORTGAGE 7's DUE JUNE 1, 1998	6/30/68	25,572.95	23,188.00
25,000 GULF STATES UTILITIES 4 3/4's DUE JANUARY 1, 1989	10/12/72	18,900.00	18,469.00
25,000 PHILADELPHIA ELECTRIC CO. FIRST & REFUNDING MORTGAGE 4 5/8's DUE SEPTEMBER 1, 1987	11/26/57-7/16/68	22,183.84	18,313.00
25,000 SOUTHERN BELL TELEPHONE CO. DEBENTURE 4 3/8's DUE APRIL 1, 2001	7/15/65	24,437.50	15,906.00
4,000 SOUTHERN NATURAL GAS CO. FIRST MORTGAGE PIPE LINE SINKING FUND 4 3/4's DUE JANUARY 1, 1979	4/24/59	4,091.47	3,515.00
25,000 SOUTHERN CALIFORNIA EDISON CO. FIRST REFUNDING 4 1/2's DUE FEBRUARY 15, 1990	7/15/65-4/11/72	23,703.00	17,750.00
25,000 SOUTHWESTERN BELL TELEPHONE CO. DEBENTURE 4 3/4's DUE OCTOBER 1, 1992	10/17/58-12/18/58-6/30/68-3/15/72	22,240.10	18,125.00
TOTAL PUBLIC UTILITY BONDS		$ 290,606.18	$ 243,079.00
INDUSTRIAL BONDS			
25,000 GENERAL MOTORS ACCEPTANCE CORP. DEBENTURE 4 5/8's DUE JUNE 15, 1986	7/06/64-12/31/70	$ 23,838.01	$ 19,031.00
25,000 GULF OIL CORP. DEBENTURE 5.35's DUE JUNE 15, 1991	7/25/66-12/31/71	23,861.00	20,563.00
25,000 N L INDUSTRIES 7 1/2's DUE DECEMBER 15, 1995	5/07/71	24,812.50	24,750.00
25,000 SHELL OIL CORP. SINKING FUND DEBENTURE 4 5/8's DUE AUGUST 1, 1986	8/03/71-12/31/70	23,968.75	19,875.00
25,000 SUN OIL CO. 8 1/2's DUE NOVEMBER 15, 2000	12/31/70	24,865.00	26,250.00
TOTAL INDUSTRIAL BONDS		$ 121,345.26	$ 110,469.00

SCHEDULE C-2 (Con't.)

ENDOWMENT FUNDS - PRINCIPAL

STATEMENT OF POOLED INVESTMENTS
AS OF JUNE 30, 1973

DESCRIPTION	NO. OF SHARES	COST OR BOOK VALUE	MARKET VALUE
PREFERRED STOCK			
CHAMPION INTERNATIONAL CORP. $1.20 CONV. PFD.	1,600	$ 44,442.92	$ 30,000.00
WACHOVIA CORP. $2.20 CUMM. CONV. PFD. SER. A.	500	33,708.45	35,000.00
TOTAL PREFERRED STOCK		$ 78,151.37	$ 65,000.00
COMMON STOCK - FINANCIAL			
BANKERS TRUST NEW YORK CORP.	700	$ 41,312.06	$ 37,975.00
NATIONWIDE CORP. CLASS A COMMON	767	8,341.13	9,204.00
NATIONWIDE LIFE INSURANCE CO.	32	816.00	816.00
TRAVELERS CORP.	1,000	33,678.12	27,000.00
TOTAL COMMON STOCK - FINANCIAL		$ 84,147.31	$ 74,995.00
COMMON STOCK - UTILITY			
AMERICAN NATURAL GAS CO.	900	$ 34,326.18	$ 32,625.00
AMERICAN TELEPHONE AND TELEGRAPH CO.	858	25,566.43	43,973.00
SOUTHERN CO.	800	17,102.62	14,800.00
VIRGINIA ELECTRIC POWER CO.	1,200	8,546.77	23,700.00
TOTAL COMMON STOCK - UTILITY		$ 85,542.00	$ 115,098.00
COMMON STOCK - INDUSTRIAL			
AMERICAN CYANAMID CO.	1,400	$ 46,282.25	$ 32,900.00
AMERICAN METAL CLIMAX, INC.	1,400	41,188.58	43,050.00
EASTMAN KODAK CO.	300	23,756.25	41,175.00
E. I. DUPONT DE NEMOURS & CO.	200	11,655.24	33,600.00
FEDERATED DEPARTMENT STORES	800	28,216.65	31,400.00
GENERAL ELECTRIC CO.	700	35,950.47	40,425.00
GENERAL FOODS CORP.	900	34,050.81	23,850.00
GENERAL MOTORS CORP.	301	24,825.69	20,017.00
GENERAL SIGNAL	833	23,695.50	34,986.00
GOODYEAR TIRE AND RUBBER CO.	1,300	32,708.81	29,250.00
GULF OIL CORP.	604	14,838.96	13,590.00
HERCULES, INC.	800	17,914.76	26,400.00
HOLIDAY INNS, INC.	1,000	40,613.00	17,750.00
HONEYWELL, INC.	300	41,573.76	31,875.00
I. B. M. CORP.	125	23,221.13	39,969.00
MOBIL OIL CORP.	300	12,060.54	19,350.00
MINNESOTA MINING AND MFG. CO.	400	18,021.22	33,400.00
NATIONAL GYPSUM CO.	1,500	34,618.15	19,875.00
NABISCO, INC.	600	32,531.28	26,325.00
NEWMONT MINING CORP.	1,600	47,014.45	39,200.00
J. C. PENNEY CO.	500	14,508.44	39,125.00
CHARLES PFIZER AND CO.	1,050	24,021.00	49,613.00
RCA CORP.	1,300	45,701.85	31,200.00
SMITH, KLINE AND FRENCH LAB.	600	31,701.85	34,200.00
WELLS FARGO AND CO.	1,400	30,913.59	31,850.00
XEROX CORP.	300	32,231.25	46,800.00
EXXON CORP.	609	25,422.30	59,987.00
TOTAL COMMON STOCK - INDUSTRIAL		$ 789,237.78	$ 891,162.00
TOTAL POOLED INVESTMENTS		$1,613,447.06	$1,654,940.00

SCHEDULE C-3

ENDOWMENT FUNDS - PRINCIPAL

STATEMENT OF INVESTMENT NOT IN POOL FUND
AS OF JUNE 30, 1973

LAND	DATE OF ACQUISITION	COST OR BOOK VALUE
MURRAY D. LINCOLN	3/11/58	$ 41,765.00
	12/31/58	16,795.00
	2/23/60	33,600.00
	2/28/61	24,068.90
	1/17/62	35,070.33*
		$151,299.23

* .735 acre sold on 7/31/72

NOTES RECEIVABLE

F. A. BARTLETT TREE EXPERT CO.	5%(1)	$88,000.00

(1) Note to be paid in four installments of $22,000 each on the first day of November. The first payment is due on November 1, 1973.

SCHEDULE C-4

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 54 ENDOWMENT PRINCIPAL

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
DONALD P ALLAN SCHOLARSHIP AWARD	040005	6,550.00	160.00	.00	.00	6,710.00	A16 C
ALPHA SIGMA PHI SCHOLARSHIP	040010	7,100.00	.00	.00	.00	7,100.00	A16 C
ALVORD DAIRY SCHOLARSHIP	040020	4,197.15	.00	.00	.00	4,197.15	A16 C
OSCAR G ANDERSON MEMORIAL FUND	040030	1,015.00	.00	.00	.00	1,015.00	A16 C
ANONYMOUS MEDICAL SCHOOL SCHOLARSHIP	040035	20,000.00	11,390.05	.00	.00	31,390.05	A16 C
ASCENSION FARM SCHOOL	040040	119,975.79	.00	.00	.00	119,975.79	A16 C
D K BANGS	040050	5,861.58	.00	.00	.00	5,861.58	A16 C
GEORGE H BARBER	040060	5,073.86	390.25	390.25CR	.00	5,073.86	A16 C
GEORGE H BARBER/MHR	040061	.00	.00	390.25	.00	390.25	A16 C
JOSEPH BARTLETT	040070	.00	.00	.00	.00	.00	A16 C
OSWALD BEHREND AWARD	040080	1,088.11	50.56	.00	.00	1,138.67	A16 C
SEYMOUR BAROWSKY	040090	5,000.00	.00	.00	.00	5,000.00	A16 C
BURNHAM EMERGENCY	040100	7,742.23	.00	.00	.00	7,742.23	A16 C
JOHN THOMAS & NANCY BUTTERWORTH	040110	10,000.00	.00	.00	.00	10,000.00	A16 C
BUTTRICK SCHOLARSHIP FUND	040120	10,000.00	.00	.00	.00	10,000.00	A16 C
THEODORE C CALDWELL	040122	1,030.00	123.10	.00	.00	1,153.10	A16 C
HAROLD W CARY PRIZE FUND	040124	794.00	52.51	.00	.00	846.51	A16 C
LUCIUS CLAPP	040130	8,740.42	.00	.00	.00	8,740.42	A16 C
ADDISON H CLARK	040140	.00	.00	.00	.00	.00	A16 C
CLASS OF 1882 MSC SCHOLARSHIP	040150	1,892.86	46.55	.00	.00	1,939.41	A16 C
GEORGE M & EDITH H CODDING	040160	367,264.70	22,360.00	.00	11,760.00	377,864.70	A16 C
GUY CHESTER CRAMPTON	040170	2,539.03	.00	.00	.00	2,539.03	A16 C
F G CRANE	040180	25,518.08	.00	.00	.00	25,518.08	A16 C
JOHN C CUTTER	040190	1,098.41	.00	.00	.00	1,098.41	A16 C
STEPHEN DAVIS SCHOLARSHIP	040200	19,175.00	.00	.00	.00	19,175.00	A16 C
DISTINGUISHED VISITORS COMMITTEE	040210	67,869.15	1,629.49	.00	.00	69,498.64	A16 C
E W ELDRIDGE JR MEMORIAL FUND	040220	1,555.00	.00	.00	.00	1,555.00	A16 C
ENDOWMENT FROM STATE	040225	.00	.00	.00	.00	.00	A16 C
GEORGE L FARLEY FUND	040230	5,000.00	.00	.00	.00	5,000.00	A16 C
R C FOLEY SCHOLARSHIP	040235	.00	5,045.00	.00	.00	5,045.00	A16 C
HARRY L FOLSON HOO HOO CLUB	040240	10,908.49	21.04	.00	.00	10,929.53	A16 C
J D W FRENCH FUND	040250	10,743.41	.00	.00	.00	10,743.41	A16 C
KATHRYN F FURCOLO	040260	9,584.03	412.30	.00	.00	9,996.33	A16 C
GASSETT SCHOLARSHIP	040270	1,462.20	.00	.00	.00	1,462.20	A16 C
CHARLES A GLEASON	040280	3,731.73	.00	.00	.00	3,731.73	A16 C
GRINNEL PRIZE	040290	125.94	.00	.00	.00	125.94	A16 C
MARGARET RUTH POMEROY HAMLIN	040300	33,537.36	.00	.00	.00	33,537.36	A16 C
C C HARDY	040310	119.65	.00	.00	.00	119.65	A16 C
WALTER H HARRISON LOAN FUND	040320	11,836.14	.00	.00	.00	11,836.14	A16 C
PHILIP B HASBROUCK	040330	2,139.00	.00	.00	.00	2,139.00	A16 C
HILLS FUND	040340	15,523.89	.00	.00	.00	15,523.89	A16 C

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
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SECTION 54 ENDOWMENT PRINCIPAL CONTINUED

ACCOUNT NAME	ACCOUNT CODE CONTINUED	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
RICHARD T HOGAN	040345	.00	4,920.00	.00	.00	4,920.00	A16 C
MRS CLIFTON JOHNSON	040350	3,411.47	.00	.00	.00	3,411.47	A16 C
HELEN E KNOWLTON	040360	15,000.00	.00	.00	.00	15,000.00	A16 C
HOWARD M LEBOW MEMORIAL	040370	7,211.18	1,535.35	.00	.00	8,746.53	A16 C
LIBRARY	040380	11,027.85	.00	.00	.00	11,027.85	A16 C
MURRAY D & ANNE H LINCOLN FUND	040385	349,839.84	133,798.37	.00	5,000.00	478,638.21	A16 C
MURRAY D LINCOLN LAND	040386	152,905.40	1,606.17CR	.00	.00	151,299.23	A16 C
ALBERT P MADEIRA SCHOLARSHIP	040390	12,653.69	548.82	.00	.00	13,202.51	A16 C
MARY A MAHER SCHOLARSHIP	040395	6,843.85	100.00	.00	.00	6,943.85	A16 C
ELIZABETH L MCNAMARA	040400	1,000.00	.00	.00	.00	1,000.00	A16 C
CREANA MERRIAM EDUCATIONAL	040404	1,623.02	.00	.00	.00	1,623.02	A16 C
U OF M METAWAMPE FUND	040406	1,050.00	.00	.00	.00	1,050.00	A16 C
HELEN MITCHELL	040408	6,850.00	.00	.00	.00	6,850.00	A16 C
PORTER L NEWTON	040410	24,204.46	.00	.00	.00	24,204.46	A16 C
J CLARK OSTERHOUT	040420	396.95	.00	.00	.00	396.95	A16 C
BETSY PINKERTON	040430	4,500.00	.00	.00	.00	4,500.00	A16 C
CHARLES A PETERS	040440	1,162.77	.00	.00	.00	1,162.77	A16 C
CHARLES S PLUMB FUND	040450	4,605.68	134.68	.00	.00	4,740.36	A16 C
FRANK H PLUMB	040460	13,427.17	.00	.00	.00	13,427.17	A16 C
ROBERT POMERCY	040470	1,535.95	.00	.00	.00	1,535.95	A16 C
A L POND	040480	944.78	110.00	.00	.00	1,054.78	A16 C
WILLIAM PROCTOR FELLOWSHIP	040490	2,000.00	.00	.00	.00	2,000.00	A16 C
BRIAN RATTIGAN/BOSTON	040495	923.11	.00	.00	.00	923.11	A16 C
FREDERICK H READ FUND	040500	1,699.55	.00	.00	.00	1,699.55	A16 C
V A RICE SCHOLARSHIP	040510	2,784.11	.00	.00	.00	2,784.11	A16 C
MARY ROBINSON FUND	040520	3,000.00	.00	.00	.00	3,000.00	A16 C
JOHN W RYAN FACULTY CONVOCATION	040530	872.91	.00	.00	.00	872.91	A16 C
ILENE SHARON SAVAL	040540	2,630.28	113.96	.00	.00	2,744.24	A16 C
WILLIAM R SESSIONS	040550	4,780.97	.00	.00	.00	4,780.97	A16 C
FRANK R SHAW	040553	1,018.00	203.29	.00	.00	1,221.29	A16 C
PHILIP SHEINFIELD	040555	5,929.00	10.00	.00	.00	5,939.00	A16 C
HENRY FRANKLIN STAPLES MEMORIAL	040560	51,469.82	.00	.00	.00	51,469.82	A16 C
BETTY STEINBUGLER	040570	200.00	.00	.00	.00	200.00	A16 C
STOCKBRIDGE SCHOOL ALUMNI	040580	1,961.38	25.00	.00	.00	1,986.38	A16 C
ROY E TORREY MEMORIAL	040590	924.84	42.95	.00	.00	967.79	A16 C
RUTH J TOTMAN MEMORIAL FUND	040600	949.17	.00	.00	.00	949.17	A16 C
FRANK M WEST FORESTRY	040610	18,328.55	.00	.00	.00	18,328.55	A16 C
WILLIAM WHEELER	040620	10,855.91	.00	.00	.00	10,855.91	A16 C
WHITING STREET SCHOLARSHIP	040630	2,021.70	.00	.00	.00	2,021.70	A16 C
HELEN A WHITTIER FUND	040640	3,338.22	.00	.00	.00	3,338.22	A16 C
SECT-54 ENDOWMENT PRINCIPAL		1,541,673.79	181,617.10	.00	16,760.00	1,706,530.89	
TOTALS FOR SECTIONS 52 TO 54		1,684,316.19	303,411.16	44,012.73CR	24,481.71	1,919,232.91	

SCHEDULE C-5

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
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SECTION 53 ENDOWMENT INCOME ON INVESTMENTS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
53/01 STUDENT AID,SCHOLARSHIPS & LC							
DONALD P ALLAN SCHOLARSHIP AWARD	050005	.00	.00	312.73	.00	312.73	A01 C
53/01 STUDENT AID,SCHOLARSHIPS & LC	TOTALS	.00	.00	312.73	.00	312.73	
53/04 MISCELLANEOUS PURPOSES							
GEORGE H BARBER	050060	1,766.29	.00	288.22	.00	2,054.51	A01 C
GEORGE H BARBER/MHR	050061	.00	.00	.00	.00	.00	A16 C
J D W FRENCH/J FUND	050251	.00	.00	140.87	139.00	1.87	A16 C
J D W FRENCH/S FUND	050252	.00	.00	1,575.61	.00	1,575.61	A16 C
J D W FRENCH/F FUND	050253	.00	.00	225.82	.00	225.82	A16 C
J D W FRENCH/P FUND	050254	.00	.00	1,090.24	.00	1,090.24	A16 C
HILLS/B FUND	050341	.00	.00	.13	.00	.13	A16 C
HILLS/L FUND	050342	.00	.00	1,801.48	.00	1,801.48	A16 C
HILLS/P FUND	050343	.00	.00	389.46	.00	389.46	A16 C
MURRAY D & ANNE H LINCOLN FUND	050385	13,508.15	.00	18,977.34	.00	32,485.49	A01 C
MURRAY D LINCOLN LAND	050386	288.56	.00	8.13	.00	296.69	A01 C
ROY E TORREY MEMORIAL	050590	.00	.00	42.95	42.95	.00	A01 C
53/04 MISCELLANEOUS PURPOSES	TOTALS	15,563.00	.00	24,540.25	181.95	39,921.30	
53/05 GENERAL PURPOSE (UNREST)							
JOSEPH BARTLETT	050070	.00	.00	.00	.00	.00	A01 C
BURNHAM EMERGENCY	050100	616.47	.00	381.27	.00	997.74	A01 C
FREDERICK H READ FUND	050500	154.49	.00	84.23	.00	238.72	A01 C
WILLIAM R SESSIONS	050550	407.61	.00	236.20	.00	643.81	A01 C
WILLIAM WHEELER	050620	881.98	.00	535.09	.00	1,417.07	A01 C
53/05 GENERAL PURPOSE (UNREST)	TOTALS	2,060.55	.00	1,236.79	.00	3,297.34	
53/06 OTHER							
ENDOWMENT FROM STATE	050225	1,445.73	2,023.32	67.06	3,148.94	387.17	A01 C
UNDISTRIBUTED INCOME	050660	10,140.84	77,598.69	70,169.56CR	4,390.82	13,179.15	A16 C
53/06 OTHER	TOTALS	11,586.57	79,622.01	70,102.50CR	7,539.76	13,566.32	
SECT-53 ENDOWMENT INCOME ON INVESTMENTS		29,210.12	79,622.01	44,012.73CR	7,721.71	57,097.69	

SCHEDULE E-1

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 00 UNIV. OF MASS. BUILDING AUTHORITY

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
00/01 UMBA PROJECT #1							
PROJECT #1 UNPAID CHECK	000101	30.00	.00	.00	.00	30.00	A16 C
00/01 UMBA PROJECT #1	TOTALS	30.00	.00	.00	.00	30.00	
00/02 UMBA PROJECT #2							
PROJECT #2 UNPAID CHECK	000102	30.00	.00	.00	.00	30.00	A16 C
00/02 UMBA PROJECT #2	TOTALS	30.00	.00	.00	.00	30.00	
00/03 UMBA PROJECT #3							
PROJECT #3 UNPAID CHECK	000103	.00	.00	.00	.00	.00	A16 C
00/03 UMBA PROJECT #3	TOTALS	.00	.00	.00	.00	.00	
00/04 UMBA PROJECT #4							
PROJECT #4 UNPAID CHECK	000104	205.00	.00	.00	.00	205.00	A16 C
00/04 UMBA PROJECT #4	TOTALS	205.00	.00	.00	.00	205.00	
00/05 UMBA PROJECT #5							
PROJECT #5 UNPAID CHECK	000105	.00	.00	.00	.00	.00	A16 C
00/05 UMBA PROJECT #5	TOTALS	.00	.00	.00	.00	.00	
00/06 UMBA PROJECT #6							
PROJECT #6 UNPAID CHECK	000106	.00	.00	.00	.00	.00	A16 C
00/06 UMBA PROJECT #6	TOTALS	.00	.00	.00	.00	.00	
00/07 UMBA PROJECT #7							
PROJECT #7 UNPAID CHECK	000107	.00	.00	.00	.00	.00	A16 C
00/07 UMBA PROJECT #7	TOTALS	.00	.00	.00	.00	.00	

SCHEDULE E-1

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 00 UNIV. OF MASS. BUILDING AUTHORITY CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
00/08 UMBA PROJECT #8							
PROJECT #8 UNPAID CHECK	000108	.00	.00	.00	.00	.00	A16 C
00/08 UMBA PROJECT #8	TOTALS	.00	.00	.00	.00	.00	
00/09 UMBA PROJECT #9							
PROJECT #9 UNPAID CHECK	000109	.00	.00	.00	.00	.00	A16 C
00/09 UMBA PROJECT #9	TOTALS	.00	.00	.00	.00	.00	
00/10 UMBA PROJECT #10							
PROJECT #10 UNPAID CHECK	000110	.00	.00	.00	.00	.00	A16 C
00/10 UMBA PROJECT #10	TOTALS	.00	.00	.00	.00	.00	
00/11 UMBA PROJECT #11							
PROJECT #11 UNPAID CHECK/HOTEL	000111	.00	.00	.00	.00	.00	A16 C
PROJECT #11 UNPAID CHECK/GARAGE	000112	.00	.00	.00	.00	.00	A16 C
PROJECT #11 UNPAID CHECK/STU FEES	000113	.00	.00	.00	.00	.00	A16 C
00/11 UMBA PROJECT #11	TOTALS	.00	.00	.00	.00	.00	
00/12 UMBA PROJECT #12							
PROJECT #12 UNPAID CHECK	000114	.00	.00	.00	.00	.00	A16 C
00/12 UMBA PROJECT #12	TOTALS	.00	.00	.00	.00	.00	
00/13 UMBA PROJECT #13							
PROJECT #13 UNPAID CHECK	000115	.00	.00	.00	.00	.00	A16 C
00/13 UMBA PROJECT #13	TOTALS	.00	.00	.00	.00	.00	
SECT-00 UNIV. OF MASS. BUILDING AUTHORITY		265.00	.00	.00	.00	265.00	

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 07 CLEARING ACCOUNT

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
FIRST NATIONAL BANK OF AMHERST	029003	.00	.00	.00	.00	.00	A16 C
FIRST NATIONAL BANK OF BOSTON	029005	150,000.00	150,000.00CR	.00	.00	.00	A16 C
GENERAL FEDERAL GRANT	030701	.00	10,127,082.77	.00	10,127,082.77	.00	A16 C
PRESIDENT'S OFFICE PETTY CASH	034800	182.78	1,713.31	.00	2,302.23	406.14CR	A01 C
PRESIDENTS OFFICE PETTY CASH/CONTRA	034801	1,000.00	.00	.00	.00	1,000.00	A01 C
UNPAID TRUST FUND CHECKS	040902	7,414.99	.00	.00	29.40	7,385.59	A16 C
SECT-07 CLEARING ACCOUNT		158,597.77	9,978,796.08	.00	10,129,414.40	7,979.45	

SECTION 08 GENERAL PURPOSE FUND

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
08/01 UNRESTRICTED CURRENT FUNDS							
ADMIN ALLOW FED PROGRAM/CLEARING	024000	10,872.11	20,615.99	10,795.06CR	.00	20,693.04	A01 C
ADMIN ALLOW FED PROGRAM/SYSTEMS	024010	.00	.00	29,712.09	29,202.89	509.20	A01 C
INST FOR GOVERNMENTAL SERVICES TRUST	032502	1,378.85	1,997.50	4,174.70	5,825.95	1,725.10	A02 C
UM INSTITUTE FOR LABOR AFFAIRS	032610	3,523.00	8,043.75	.00	4,490.78	7,075.97	A14 C
NEW PROGRAMS TRUST FUND	033850	10,025.25	5,000.00	.00	9,680.19	5,345.06	A01 C
NURSING LOAN CANCELLATION	033901	106.92	.00	.00	.00	106.92	A01 C
OCEAN SPRAY INCOME ACCOUNT	034101	1,150.00	369.50	.00	.00	1,519.50	A01 C
RESEARCH TRUST/PRESIDENT'S OFFICE	034106	2,955.35	.00	5,757.83	.00	8,713.18	A01 C
OCEAN SPRAY PRINCIPAL ACCT	034201	5,480.00	675.00	.00	.00	6,155.00	A01 C
TRUST FUND INTEREST/CLEARING	040490	198,444.92	411,002.20	471,916.37CR	5,500.00	132,030.75	A01 C
TRUST FUND INTEREST/PRESIDENT'S OFF	040495	.00	.00	135,002.78	134,786.98	215.80	A01 C
UNIVERSITY FUND/PRESIDENT'S OFFICE	040700	25.00	9,750.00	.00	5,700.00	4,075.00	A01 C
08/01 UNRESTRICTED CURRENT FUNDS	TOTALS	233,961.40	457,453.94	308,064.03CR	195,186.79	188,164.52	
SECT-08 GENERAL PURPOSE FUND		233,961.40	457,453.94	308,064.03CR	195,186.79	188,164.52	

SCHEDULE F-1

UNIVERSITY OF MASSACHUSETTS - OFFICE OF THE PRESIDENT
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 09 GIFTS & GRANTS PENDING TRUSTEE ACTION

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
GORDON AINSWORTH BASKETBALL SCHOL	024205	10.00	.00	.00	.00	10.00	A01 C
THR WRESTLING ENDOWMENT	026565	.00	396.57	.00	390.25	6.32	A16 C
LAWRENCE D RHODES	035403	45.00	.00	.00	.00	45.00	A01 C
JOHN F THOMPSON MEMORIAL FUND	040001	100.00	.00	.00	.00	100.00	A01 C
SECT-09 GIFTS & GRANTS PENDING TRUSTEE ACTION		155.00	396.57	.00	390.25	161.32	

SECTION 15 NONPROFIT ORGANIZATIONS & FOUNDATIONS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
THE AMERICAN ASSEMBLY	042990	888.13	.00	.00	888.13	.00	A01 C
FORD FOUNDATION 710-0465	048609	11,478.48	25,000.00	2,516.34CR	11,372.37	22,589.77	A01 C
FORD FOUNDATION/PATTERSON	048611	49.20	36,624.58	7,080.00CR	24,295.15	5,298.63	A01 C
HOLYOKE MANAGEMENT ASSISTANCE PROG	049904	.00	.00	.00	.00	.00	A02 C
MASS DEPT ED/FIREFIGHTING ACADEMY	051112	.00	13,011.30	.00	13,011.30	.00	A02 C
MASS DEPT OF ED/MIGRANT ED PROGRAM	051114	.00	13,000.00	.00	11,279.56	1,720.44	A02 C
MASS PROBATION/PROBATION ACCRED COMM	051116	.00	.00	2,226.28	2,063.00	163.28	A02 C
MA ADM & FIN/PERS & STAN/DONAHUE	051118	.00	.00	20,610.74	19,874.84	735.90	A02 C
MASS ADVISORY COUNCIL ON EDUCATION	051120	19.14	25,000.00	4,728.26CR	20,290.88	.00	A02 C
SECT-15 NONPROFIT ORGANIZATIONS & FOUNDATIONS		12,434.95	112,635.88	8,512.42	103,075.23	30,508.02	

SECTION 21 AGENCY FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
TAX SHELTER ANNUITIES	039900	67,877.89	1,038,451.62	.00	1,012,302.27	94,027.24	A16 C
MILDRED PIERPONT MEMORIAL FUND	096100	185.00	.00	.00	.00	185.00	A01 C
SECT-21 AGENCY FUNDS		68,062.89	1,038,451.62	.00	1,012,302.27	94,212.24	
TOTALS FOR SECTIONS 03 TO 21		473,212.01	11,587,734.09	299,551.61CR	11,440,368.94	321,025.55	

UNIVERSITY OF MASSACHUSETTS

at Amherst

SCHEDULE A-4

COMPARATIVE STATEMENT OF FUNDS FORWARDED TO STATE TREASURER

ON ACCOUNT OF INCOME FROM FEES, SALES AND SERVICES

	1971		1972		1973	
INSTRUCTION						
TUITION - AMHERST	$3,628,788.72		$3,970,240.11		$5,247,267.91	
TUITION - SUMMER SCHOOL AMHERST	202,764.10		182,278.58		250,633.91	
SALES - PRODUCTIVE ENTERPRISE	66,421.19		110,077.40		94,215.49	
OTHER STUDENT RECEIPTS	14,790.00		19,134.50		20,612.75	
OTHER SALES	44,282.05		33,840.04		28,187.80	
REIMBURSEMENT FOR SERVICES - FEDERAL GOVERNMENT	5,775.00		6,144.00		-0-	
		$3,962,821.06		$4,321,714.63		$5,640,917.86
EXPERIMENT STATION						
SALES	7,049.31		5,261.14		6,182.64	
WALTHAM FIELD STATION	19.90		9.00		14.00	
		7,069.21		5,270.14		6,196.64
CONTROL SERVICES						
FERTILIZER LAW	19,794.88		5,425.44		-0-	
POULTRY DISEASE LAW	16,241.95		14,781.95		10,349.50	
DAIRY GLASSWARE	306.25		411.05		358.95	
COMMERCIAL FEEDSTUFFS	30,200.00		2,920.00		-0-	
SEED LAW	668.25		990.00		566.25	
DRIVERS OF BULK MILK TRUCKS	124.00		64.00		-0-	
M. G. CONTROL TESTING	20,165.65		21,350.05		14,781.60	
		87,500.98		45,942.49		26,056.30
OPERATION OF PLANT						
STUDENTS' ROOM RENT	427,663.59		414,060.50		413,084.00	
EMPLOYEES' RENT	22,892.13		3,567.43		3,972.21	
OTHER RENTS	7,367.49		8,595.42		12,418.64	
MISCELLANEOUS	2,897.51		1,911.00		3,123.62	
REIMBURSEMENT FOR SERVICES - BOARDING HALLS	245,000.00		245,000.00		245,000.00	
		705,820.72		673,134.35		677,598.47
MISCELLANEOUS						
OTHER	43,833.90		51,246.97		21,215.47	
REIMBURSEMENT FOR SERVICES - OTHER THAN FEDERAL GOVERNMENT - RESEARCH PROJECTS	87,244.23		51,919.42		61,484.67	
SALE OF STUDENT UNION BUILDING	-0-		960,000.00		-0-	
		131,078.13		1,063,166.39		82,700.14
		$4,894,290.10		$6,109,228.00		$6,433,469.41

SCHEDULE A-5

STATE APPROPRIATIONS

COMPARATIVE STATEMENT OF SUBSIDIARY ACCOUNTS

SUBSIDIARY ACCOUNTS		1971	1972	1973
GENERAL MAINTENANCE				
7410-0000-01	SALARIES, PERMANENT POSITIONS	$35,450,190.00	$39,474,424.00	$45,155,392.00*
7410-0000-02	SALARIES, OTHER	584,395.00	684,922.00	826,701.00*
7410-0000-03	SERVICES, NON-EMPLOYEES	5,456,000.00	5,868,550.00	4,700,000.00
7410-0000-04	FOOD FOR PERSONS	860.00	2,500.00	1,500.00
7410-0000-05	CLOTHING	6,000.00	14,500.00	14,700.00
7410-0000-06	HOUSEKEEPING SUPPLIES & EXPENSES	104,500.00	120,000.00	107,530.00
7410-0000-07	LABORATORY, MEDICAL & GENERAL CARE	12,000.00	12,000.00	11,000.00
7410-0000-08	HEAT & OTHER PLANT OPERATIONS	1,671,650.00	2,370,000.00	2,612,800.00
7410-0000-09	FARM AND GROUNDS	116,800.00	130,000.00	98,350.00
7410-0000-10	TRAVEL & AUTOMOTIVE EXPENSES	208,125.00	220,500.00	199,500.00
7410-0000-11	ADVERTISING & PRINTING	156,015.00	179,200.00	161,500.00
7410-0000-12	REPAIRS, ALTERATIONS & ADDITIONS	760,000.00	924,600.00	800,717.00
7410-0000-13	SPECIAL SUPPLIES & EXPENSES	866,000.00	1,020,000.00	1,110,555.00
7410-0000-14	OFFICE & ADMINISTRATIVE EXPENSES	593,375.00	658,800.00	732,825.00
7410-0000-15	EQUIPMENT	590,000.00	560,000.00	221,757.00
7410-0000-16	RENTALS	995,250.00	1,086,300.00	1,082,346.00
	TOTAL	$47,571,160.00	$53,416,296.00	$57,837,173.00
OTHER MAINTENANCE				
7410-9731-00	FEDERAL GRANTS	$ -0-	$ -0-	$ 54.82
7410-9704-13	FOR CERTAIN SCHOLARSHIPS	850,000.00	-0-	-0-
7410-9705-13	LIBRARY BOOKS	200,000.00	-0-	-0-
7410-9501-00	STUDENT UNION BUILDING	-0-	960,000.00	-0-
7411-1012-14	ENTERTAINMENT OF DISTINGUISHED VISITORS	1,000.00	-0-	-0-
7411-0002-16	RENT FEE CHANCELLOR'S HOUSE	1,200.00	1,200.00	-0-
7411-2000-03	DISADVANTAGED STUDENTS	51,800.00	-0-	-0-
7411-2000-13	DISADVANTAGED STUDENTS	248,200.00	-0-	-0-
7411-1006-15	EQUIPMENT MATCHING	100,000.00	-0-	-0-
7411-1003-03	SENIOR INTERNSHIP	35,000.00	35,000.00	-0-
7411-1004-03	LEGISLATIVE INTERNSHIP	35,000.00	35,000.00	-0-
7414-1107-00	TECHNICAL SERVICES	106,047.14	-0-	15,254.32
7415-9738-00	TECHNICAL SERVICES	-0-	-0-	28.20
7414-1002-00	RECEIPT PROJECTS	169,086.97	151,033.77	157,521.40
2670-2441-03	INLAND FISH & GAME	8,500.00	8,500.00	6,375.00
2670-2341-03	FISHERIES & COOPERATIVE RESEARCH	10,000.00	10,000.00	7,500.00
	TOTAL	$ 1,815,834.11	$ 1,200,733.77	$ 186,733.74
CAPITAL OUTLAY				
7490-0110-00	LIBRARY BOOKS	$ 2,000,000.00	$ -0-	$ -0-
7490-0120-00	GREENHOUSE	-0-	218,500.00	-0-
	TOTAL	$ 2,000,000.00	$ 218,500.00	$ -0-
	GRAND TOTAL	$51,386,994.11	$54,835,529.77	$58,023,906.74

*$875,523.77 for Retroactive Payroll 12/26/71 to 6/24/72 paid from State Reserve (1599-2013) not recorded as expense of University.

SCHEDULE

STATE GENERAL

SUMMARY OF EXPENDITURES BY

ACCOUNT NUMBER & NAME		APPROPRIATION & ALLOTMENT	EXPENDITURES &		
			ADMINISTRATION	INSTRUCTION	EXTENSION SERVICE
GENERAL MAINTENANCE					
7410-0000-01	SALARIES, PERMANENT	$45,155,392.00	$2,638,544.51	$35,283,141.37	$793,057.85
7410-0000-02	SALARIES, OTHER	826,701.00	360,252.70	170,072.79	333.39
7410-0000-03	SERVICES, NON-EMPLOYEES	4,700,000.00	274,735.32	4,245,575.76	-0-
7410-0000-04	FOOD FOR PERSONS	1,500.00	-0-	1,500.00	-0-
7410-0000-05	CLOTHING	14,700.00	-0-	12,152.33	-0-
7410-0000-06	HOUSEKEEPING SUPPLIES & EXPENSES	107,530.00	9,219.52	4,264.66	-0-
7410-0000-07	LABORATORY, MEDICAL & GENERAL CARE	11,000.00	-0-	10,909.29	-0-
7410-0000-08	HEAT & OTHER PLANT OPERATIONS	2,612,800.00	-0-	-0-	-0-
7410-0000-09	FARM & GROUNDS	98,350.00	864.95	59,179.90	146.00
7410-0000-10	TRAVEL & AUTOMOTIVE EXPENSES	199,500.00	53,982.93	97,599.94	64.29
7410-0000-11	ADVERTISING & PRINTING	161,500.00	141,512.09	19,005.88	-0-
7410-0000-12	REPAIRS, ALTERATIONS & ADDITIONS	800,717.00	27,279.62	121,707.48	89.15
7410-0000-13	SPECIAL SUPPLIES & EXPENSES	1,110,555.00	106,609.64	976,044.68	398.18
7410-0000-14	OFFICE & ADMINISTRATIVE EXPENSES	732,825.00	140,589.90	540,633.40	10,528.15
7410-0000-15	EQUIPMENT	221,757.00	32,651.88	132,779.98	-0-
7410-0000-16	RENTALS	1,082,346.00	949,171.09	117,380.34	-0-
	TOTAL	$57,837,173.00	$4,735,414.15	$41,791,947.80	$804,617.01
TECHNICAL SERVICES PROGRAM					
7414-1107-03	SERVICES, NON-EMPLOYEES	$ 7,627.05	$ -0-	$ 4,708.15	$ -0-
7414-1107-10	TRAVEL & AUTOMOTIVE EXPENSES	3,506.14	-0-	3,500.73	-0-
7414-1107-11	ADVERTISING & PRINTING	1,137.80	-0-	-0-	-0-
7414-1107-13	SPECIAL SUPPLIES & EXPENSES	1,004.05	-0-	1,004.05	-0-
7414-1107-14	OFFICE & ADMINISTRATIVE EXPENSES	1,353.97	-0-	1,338.41	-0-
7414-1107-15	EQUIPMENT	500.00	-0-	200.00	-0-
7414-1107-16	RENTALS	125.31	-0-	121.30	-0-
	TOTAL	$ 15,254.32	$ -0-	$ 10,872.64	$ -0-
OTHER MAINTENANCE					
2670-2341-03	WILDLIFE RESERVATION	$ 7,500.00	$ -0-	$ 7,500.00	$ -0-
2670-2441-03	FISH & GAME	6,375.00	-0-	4,807.50	-0-
7410-9731-00	FEDERAL GOVERNMENT FUND	54.82	-0-	54.82	-0-
7414-1002-00	RESEARCH RECEIPTS	157,521.40	-0-	54,625.71	-0-
7415-9738-00	CERTAIN TECHNICAL SERVICES	28.20	-0-	28.20	-0-
	TOTAL	$ 171,479.42	$ -0-	$ 67,016.23	$ -0-
	GRAND TOTAL	$58,023,906.74	$4,735,414.15	$41,869,836.67	$804,617.01

MAINTENANCE APPROPRIATION

FUNCTIONAL DIVISION & SUBSIDIARY ACCOUNT

ENCUMBRANCES EXPERIMENT STATION	CONTROL SERVICE	OPERATION OF PLANT	TOTAL EXPENDITURES & ENC.	REVERTED TO STATE TREASURER	BALANCE OF APPROPRIATION JUNE 30, 1973
$ 950,664.24	$510,136.74	$4,976,450.99	$45,151,995.70	$ 3,396.30	$ -0-
78,550.00	54,480.63	153,782.14	817,471.65	9,229.35	-0-
7,161.25	1,099.99	170,614.04	4,699,186.36	813.64	-0-
-0-	-0-	-0-	1,500.00	-0-	-0-
49.30	-0-	2,477.17	14,678.80	21.20	-0-
360.20	-0-	93,415.81	107,260.19	269.81	-0-
-0-	-0-	-0-	10,909.29	90.71	-0-
-0-	-0-	2,612,781.10	2,612,781.10	18.90	-0-
2,919.34	249.74	34,933.17	98,293.10	56.90	-0-
2,526.69	2,144.39	42,354.95	198,673.19	826.81	-0-
-0-	-0-	206.07	160,724.04	775.96	-0-
3,712.16	940.17	646,443.29	800,171.87	545.13	-0-
1,145.47	8,963.42	16,109.62	1,109,271.01	1,283.99	-0-
19,647.73	3,659.03	16,712.32	731,770.53	1,054.47	-0-
-0-	-0-	56,143.06	221,574.92	182.08	-0-
95.60	-0-	14,500.00	1,081,147.03	1,198.97	-0-
$1,066,831.98	$581,674.11	$8,836,923.73	$57,817,408.78	$19,764.22	$ -0-
$ -0-	$ -0-	$ -0-	$ 4,708.15	$ 2,918.90	$ -0-
-0-	-0-	-0-	3,500.73	5.41	-0-
-0-	-0-	-0-	-0-	1,137.80	-0-
-0-	-0-	-0-	1,004.05	-0-	-0-
-0-	-0-	-0-	1,338.41	15.56	-0-
-0-	-0-	-0-	200.00	300.00	-0-
-0-	-0-	-0-	121.30	4.01	-0-
$ -0-	$ -0-	$ -0-	$ 10,872.64	$ 4,381.68	$ -0-
$ -0-	$ -0-	$ -0-	$ 7,500.00	$ -0-	$ -0-
-0-	-0-	-0-	4,807.50	1,567.50	-0-
-0-	-0-	-0-	54.82	-0-	-0-
-0-	-0-	-0-	54,625.71	-0-	102,895.69
-0-	-0-	-0-	28.20	-0-	-0-
$ -0-	$ -0-	$ -0-	$ 67,016.23	$ 1,567.50	$ 102,895.69
$1,066,831.98	$581,674.11	$8,836,923.73	$57,895,297.65	$25,713.40	$ 102,895.69

SCHEDULE A-7

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	CHANCELLORS OFFICE			
AA1	NEWS BUREAU	41,164.79	7,194.74	48,359.53
AA2	PUBLICATIONS OFFICE	76,588.67	85,212.85	161,801.52
AA3	PHOTOGRAPHIC SECTION	67,877.69	2,535.97CR	65,341.72
AA4	FILM CENTER	1,034.59	911.38	1,945.97
AA6	RADIO STATION WFCR-FM	86,582.41	7,606.94	94,189.35
AA7	TELEVISION		246.23	246.23
AA9	PUBLIC AFFAIRS-ADMINISTRATION	55,334.85	22,523.01	77,857.86
AB1	OFFICE OF THE CHANCELLOR	211,436.51	27,377.62	238,814.13
AB2	BUDGET OFFICE	113,670.95	6,900.22	120,571.17
AB3	OFFICE OF INSTITUTIONAL STUDIES	47,682.93	4,384.94	52,067.87
AB4	PLANNING OFFICE	69,231.83	604.58	69,836.41
AB7	ALUMNI OFFICE	71,591.78	42,049.72	113,641.50
	DEPT TOTALS	842,197.00	202,476.26	1,044,673.26
	PRESIDENT S OFFICE-AMHERST			
A11	TRUSTEES		8,101.50	8,101.50
A12	OFFICE OF THE PRESIDENT	382,667.30	106,607.50	489,274.80
A13	OFFICE OF THE SECRETARY	37,346.22	10,379.25	47,725.47
A14	LABOR RELATIONS	14,835.19	6,651.72	21,486.91
A16	TREASURER	133,230.51	23,098.14	156,328.65
	DEPT TOTALS	568,079.22	154,838.11	722,917.33
	BUSINESS AND FINANCIAL MANAGEMENT			
B10	OFFICE OF THE VICE CHANCELLOR	65,661.53	6,170.35	71,831.88
B11	BURSAR	146,513.03	18,154.13	164,667.16
B12	PERSONNEL/PAYROLL	364,966.15	19,940.30	384,906.45
B13	ADMINISTRATIVE DATA PROCESSING	485,630.81	506,446.31	992,077.12
B14	PROCUREMENT	99,671.62	4,960.49	104,632.11
B15	ACCOUNTING	274,606.62	24,268.76	298,875.38
B16	DUPLICATING SERVICES	86,927.14	11,788.74	98,715.88
B17	CENTRAL MAILING	101,632.41	4,413.99	106,046.40
B20	PROPERTY AND RECEIVING	67,418.62	2,194.68	69,613.30
B21	COPY CENTERS	280.00	.24	280.24
B24	BUSINESS MANAGER	37,463.10	1,852.90	39,316.00
B25	COMMUNICATIONS	59,506.48	1,854.08	61,360.56
B30	HOUSING OPERATIONS - ADMINISTRATION	47,978.80	4,369.00	52,347.80
B31	FREIGHT EXPRESS-OVERRUN RECHARGE	25,000.00	68,010.05	93,010.05
B45	BUILDING AUTHORITY, PROJECT #10		5.92	5.92
B50	STATE RESIDENCE HALLS-UNMARRIED STUDENTS		441,010.00	441,010.00
	DEPT TOTALS	1,863,256.31	1,115,439.94	2,978,696.25
	ORCHARD HILL RESIDENTIAL COLLEGE			
DD1	ORCHARD HILL RESIDENTIAL COLLEGE	56,756.05	3,046.83	59,802.88
DD5	SOUTHWEST RESIDENTIAL COLLEGE	65,244.24	2,278.85	67,523.09
	DEPT TOTALS	122,000.29	5,325.68	127,325.97

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	VICE-CHANCELLOR FOR ACADEMIC AFFAIRS			
E11	PROVOST'S OFFICE	372,504.74	44,175.74	416,680.48
E13	FIVE-COLLEGE PROGRAMS		42.54	42.54
E14	BOWKER AUDITORIUM	21,534.64	441.53	21,976.17
E15	SCHEDULE OFFICE	82,540.98	3,996.41	86,537.39
E16	INTERNATIONAL PROGRAMS	65,665.77	3,504.60	69,170.37
E18	NANTUCKET RESEARCH CENTER	8,151.40	329.52	8,480.92
E19	FINE ARTS COUNCIL	17,790.96	67.22	17,858.18
E20	UPWARD BOUND		3.01	3.01
E21	BLACK CULTURAL CENTER	24,614.36	3,104.27	27,718.63
E22	FACULTY SENATE	8,384.35	2,784.64	11,168.99
E23	SUMMER SCHOOL	435,206.31		435,206.31
E25	HONORS PROGRAM	6,441.15	1,285.11	7,726.26
E26	SPECIAL STUDENTS PROGRAM	180,251.68	1,435.88	181,687.56
E27	INSTITUTE FOR MAN AND HIS ENVIRONMENT	111,451.27	9,878.18	121,329.45
E28	INDIVIDUAL CONCENTRATION PROGRAM	8,591.32	1,525.77	10,117.09
	DEPT TOTALS	1,343,128.93	72,574.42	1,415,703.35
	VICE-CHANCELLOR FOR STUDENT AFFAIRS			
F10	VICE CHANCELLOR'S OFFICE	206,917.87	21,653.84	228,571.71
F11	HOUSING OFFICE	34,371.92	5,516.75	39,888.67
F12	SOUTHWEST	343,498.20	8,376.80	351,875.00
F13	ORCHARD HILL	75,891.53	2,583.84	78,475.37
F14	SYLVAN	96,279.54	2,422.64	98,702.18
F15	CENTRAL	175,371.13	2,902.22	178,273.35
F16	NORTHEAST	140,535.06	2,584.07	143,119.13
F17	DEAN OF WOMEN	16,696.42	676.32	17,372.74
F18	GREEK AFFAIRS	21,588.78	1,407.74	22,996.52
F19	STUDENT ACTIVITIES	8,577.73	10.55	8,588.28
F20	COMMUTERS	5,709.50	32.27	5,741.77
F21	RESEARCH	1,443.00	535.34	1,978.34
F25	UNDERGRADUATE ADMISSIONS	209,922.40	30,855.76	240,778.16
F26	FINANCIAL AID	55,562.45	118,779.63	174,342.08
F27	WORK STUDY		119.89	119.89
F28	REGISTRARS OFFICE	187,847.36	55,303.11	243,150.47
F29	OFFICE OF TRANSFER AFFAIRS	29,380.12	1,907.16	31,287.28
F34	WOMANS CENTER	6,462.01	80.45CR	6,381.56
F35	PSYCHOLOGICAL COUNSELING	156,103.07	16,027.91	172,130.98
F36	CAREER PLANNING & PLCMNT.	93,793.18	16,012.07	109,805.25
F37	COMMUNITY DEVELOPMENT & HUMAN RELATIONS	66,252.49	2,360.65	68,613.14
F38	ENVIRONMENTAL HEALTH AND SAFETY	87,543.59	2,624.37	90,167.96
F39	ROOM TO MOVE	33,697.07	420.00	34,117.07
F45	OPERATIONS AND ADMINISTRATION	34,039.52	5,991.00	40,030.52
F46	SECURITY SERVICES	276,434.62	11,974.70	288,409.32
F47	POLICE SERVICES	329,494.50	6,349.32	335,843.82
F48	PARKING SERVICES	12,623.98	3.78	12,627.76
F90	VICE-CHANCELLORS RESERVE		494.56	494.56
	DEPT TOTALS	2,706,037.04	317,845.84	3,023,882.88

SCHEDULE A-7

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	LIBRARY			
G11	LIBRARY	1,748,246.40	351,134.96	2,099,381.36
G12	BOARD OF HIGHER EDUCATION	8,175.26	7,974.04	16,149.30
	DEPT TOTALS	1,756,421.66	359,109.00	2,115,530.66
	AUDIO VISUAL CENTER			
H11	AUDIO-VISUAL CENTER			
	DEPT TOTALS			
	COLLEGE OF ARTS AND SCIENCES			
J11	OFFICE OF THE DEANS	236,768.93	19,894.04	256,662.97
J12	ECONOMICS	599,725.44	14,476.40	614,201.84
J14	ENGLISH	2,018,714.73	23,736.71	2,042,451.44
J15	SLAVIC LANGUAGES AND LITERATURES	145,111.04	1,535.30	146,646.34
J16	GERMANIC LANGUAGES AND LITERATURES	435,849.75	4,858.79	440,708.54
J17	POLITICAL SCIENCE	821,392.60	12,687.04	834,079.64
J18	HISTORY	991,219.23	11,432.26	1,002,651.49
J19	MUSIC	534,137.01	36,524.21	570,661.22
J20	PHILOSOPHY	399,276.98	4,698.45	403,975.43
J21	PSYCHOLOGY	1,355,967.38	48,170.85	1,404,138.23
J22	BIOCHEMISTRY	241,810.58	17,809.31	259,619.89
J23	FRENCH AND ITALIAN	673,171.07	9,008.76	682,179.83
J24	SOCIOLOGY	777,623.20	10,829.14	788,452.34
J25	SPEECH	795,249.17	25,399.75	820,648.92
J26	ART	683,505.65	31,190.93	714,696.58
J27	ANTHROPOLOGY	362,693.83	14,997.47	377,691.30
J28	ACADEMIC THEATER	179,075.37	15,153.27	194,228.64
J29	LANGUAGE LABORATORIES	35,784.73	1,297.32	37,082.05
J30	HISPANIC LANGUAGES AND LITERATURES	393,962.97	5,699.60	399,662.57
J31	CLASSICS	159,943.64	2,797.70	162,741.34
J32	MICROBIOLOGY	310,468.65	24,870.48	335,339.13
J33	BOTANY	607,961.94	29,833.85	637,815.79
J34	CHEMISTRY	1,134,195.11	79,657.21	1,213,852.32
J35	GEOGRAPHY	13,469.17	1,232.58	14,701.75
J36	GEOLOGY	549,101.91	37,004.94	586,106.85
J37	MATHEMATICS AND STATISTICS	1,608,811.60	19,735.68	1,628,547.28
J38	PHYSICS AND ASTRONOMY	1,276,712.54	52,261.04	1,328,973.58
J39	ZOOLOGY	816,217.62	42,733.49	858,951.11
J41	ASTRONOMY	3,436.62	274.15	3,710.77
J42	COMPARATIVE LITERATURE	160,658.47	2,447.09	163,105.56
J43	RHETORIC	308,873.90	1,266.12	310,140.02
J44	LINGUISTICS	145,256.95	4,511.15	149,768.10
J50	AFRO AMERICAN STUDIES	304,249.64	14,224.94	318,474.58
J51	ASIAN STUDIES PROGRAM	91,494.00	2,041.44	93,535.44
J61	DEAN-FACULTY OF FINE ARTS & HUMANITIES	55,700.40	6,637.39	62,338.29
J62	DEAN-FACULTY OF SOCIAL & BEHAVIORAL SCI.	28,085.85	3,041.87	31,127.72
J63	DEAN-FACULTY OF NATURAL SCI & MATHEMATIC	44,116.34	1,091.17	45,207.51
	DEPT TOTALS	19,299,814.01	635,062.39	19,934,876.40

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
K64	PLANT AND SOIL SCIENCES	117,336.48	1,971.03	119,307.51
K65	FOOD SCIENCE AND TECHNOLOGY	18,647.11	538.75	19,185.86
K66	FORESTRY AND WILDLIFE MANAGEMENT	168,966.25	1,994.93	170,961.18
K68	LANDSCAPE ARCHITECTURE AND REG PLANNING	3,864.60		3,864.60
K71	VETERINARY AND ANIMAL SCIENCES	183,341.04	1,529.36	184,870.40
K73	SUBURBAN EXPERIMENT STATION, WALTHAM	185,592.37	12,999.42	198,591.79
K76	PLANT PATHOLOGY	21,069.17	300.92	21,370.09
	DEPT TOTALS	1,036,375.49	30,456.49	1,066,831.98
	DEPT K TOTALS	4,823,618.41	216,682.24	5,040,300.65
	CONTROL SERVICE			
K81	SEED LAB.	51,805.82	30.19	51,836.01
K82	MASTITIS CONTROL	47,649.92	1,536.37	49,186.29
K84	FEED, SEED, FERTILIZER AND DAIRY LAW	114,768.48	4,851.49	119,619.97
K85	PLANT PATHOLOGY	129,244.00	3,697.51	132,941.51
K86	PULLORUM CONTROL	169,220.39	5,291.19	174,511.58
K87	M.G. CONTROL	8,151.40		8,151.40
K88	SUBURBAN EXPERIMENT STATION, WALTHAM	44,877.35		44,877.35
	DEPT TOTALS	565,717.36	15,406.75	581,124.11
	DEPT K TOTALS	5,389,335.77	232,088.99	5,621,424.76
	SCHOOL OF BUSINESS ADMINISTRATION			
L11	DEAN OF BUSINESS ADMINISTRATION	180,298.41	31,313.40	211,611.81
L12	ACCOUNTING	382,157.60	1,691.28	383,848.88
L13	GENERAL BUSINESS AND FINANCE	528,044.58	2,489.90	530,534.48
L14	MANAGEMENT	468,973.60	1,313.65	470,287.25
L15	MARKETING	283,888.93	2,176.01	286,064.94
L16	CENTER FOR BUSINESS & ECONOMIC RESEARCH	36,320.47	405.06	36,725.53
	DEPT TOTALS	1,879,683.59	39,389.30	1,919,072.89
	SCHOOL OF ENGINEERING			
M11	DEAN OF ENGINEERING	282,717.54	20,155.53	302,873.07
M12	CHEMICAL ENGINEERING	414,923.36	19,227.71	434,151.07
M13	CIVIL ENGINEERING	689,445.43	19,174.35	708,619.78
M14	MECHANICAL AND AEROSPACE ENGINEERING	658,569.82	19,066.36	677,636.18
M15	ELECTRICAL ENGINEERING	542,108.25	16,841.21	558,949.46
M16	INDUSTRIAL ENGINEERING AND OPERATIONS	277,288.20	14,953.40	292,241.60
M17	DEPARTMENT OF TRANSPORTATION GRANT	6,773.54	3,123.52	9,897.06
M18	COMMONWEALTH INDUSTRIAL TECHNOLOGY		116.16	116.16
	DEPT TOTALS	2,871,825.14	112,658.24	2,984,484.38

SCHEDULE A-7

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	COLLEGE OF AGRICULTURE			
K01	AGRICULTRUAL ADMINISTRATION	116,582.93	11,355.27	127,938.20
K03	AGRICULTRUAL AND FOOD ECONOMICS	231,432.69	3,865.64	235,298.33
K04	FOOD & AGRICULTURAL ENGINEERING	185,586.96	2,732.46	188,319.42
K07	ENTOMOLOGY	135,220.10	4,370.88	139,590.98
K08	RESEARCH AND PRODUCTION SERVICE	31,666.45	5,358.72	37,025.17
K09	PLANT AND SOIL SCIENCES	477,579.30	33,911.82	511,491.12
K10	FOOD SCIENCE AND TECHNOLOGY	335,953.18	5,351.83	341,305.01
K11	FORESTRY AND WILDLIFE MANAGEMENT	277,826.11	10,115.42	287,941.53
K12	LANDSCAPE ARCHITECTURE AND REG PLANNING	352,716.81	6,472.17	359,188.98
K13	ENVIRONMENTAL SCIENCE	102,787.55	3,292.33	106,079.88
K15	VETERINARY AND ANIMAL SCIENCES	541,390.33	80,218.34	621,608.67
K16	PLANT PATHOLOGY	48,994.86	1,136.53	50,131.39
K17	HOTEL, RESTAURANT AND TRAVEL ADMINIST.	156,114.41	6,818.57	162,932.98
	DEPT TOTALS	2,993,851.68	174,999.98	3,168,851.66
	DEPT K TOTALS	2,993,851.68	174,999.98	3,168,851.66
	EXTENSION SERVICE			
K21	AGRICULTURAL ADMINISTRATION	105,536.82	1,616.82	107,153.64
K23	AGRICULTRUAL AND FOOD ECONOMICS	41,301.79	1,097.30	42,399.09
K24	FOOD & AGRICULTURAL ENGINEERING	28,594.80	878.58	29,473.38
K27	RESEARCH AND PRODUCTION SERVICE	15,026.45		15,026.45
K28	CRANBERRY STATION	67,404.37	168.76	67,573.13
K29	ENTOMOLOGY	21,381.55	1,086.69	22,468.24
K30	PLANT AND SOIL SCIENCES	90,835.67	866.85	91,702.52
K31	FOOD SCIENCE AND TECHNOLOGY	10,204.79	706.81	10,911.60
K32	FORESTRY AND WILDLIFE MANAGEMENT	29,359.27	966.21	30,325.48
K33	4-H	61,514.70	1,155.07	62,669.77
K38	VETERINARY AND ANIMAL SCIENCES	87,468.73	1,241.03	88,709.76
K40	SUBURBAN EXPERIMENT STATION, WALTHAM	202,201.41	463.31	202,664.72
K41	PLANT PATHOLOGY	22,110.93	615.18	22,726.11
K42	HOTEL, RESTAURANT AND TRAVEL ADMINIST.	10,449.96	328.41	10,778.37
K43	ENVIRONMENTAL SCIENCE		34.75	34.75
	DEPT TOTALS	793,391.24	11,225.77	804,617.01
	DEPT K TOTALS	3,787,242.92	186,225.75	3,973,468.67
	RESEARCH			
K51	AGRICULTURAL ADMINISTRATION	56,965.72	1,198.57	58,164.29
K53	AGRICULTRUAL AND FOOD ECONOMICS	23,534.54	1,157.66	24,692.20
K54	FOOD & AGRICULTURAL ENGINEERING	44,190.05	924.96	45,115.01
K57	ENVIRONMENTAL SCIENCE	18,375.68	1,577.31	19,952.99
K60	CRANBERRY STATION	133,830.93	5,167.51	138,998.44
K62	ENTOMOLOGY	23,492.30	513.55	24,005.85
K63	RESEARCH AND PRODUCTION SERVICE	37,169.25	582.52	37,751.77

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	SCHOOL OF HOME ECONOMICS			
N11	DEAN OF HOME ECONOMICS	80,415.29	7,974.86	88,390.15
N12	HOME ECONOMICS EXTENSION	84,103.54	1,556.23	85,659.77
N13	NUTRITION AND FOOD	124,292.04	2,472.09	126,764.13
N14	HOME ECONOMICS EDUCATION	45,702.83	1,849.17	47,552.00
N15	HUMAN DEVELOPMENT	164,583.80	2,558.23	167,142.03
N17	TEXTILES, CLOTHING & ENVIRONMENTAL ARTS	126,491.62	2,470.68	128,962.30
	DEPT TOTALS	625,589.12	18,881.26	644,470.38
	SCHOOL OF NURSING			
O11	SCHOOL OF NURSING	579,450.14	11,207.31	590,657.45
	DEPT TOTALS	579,450.14	11,207.31	590,657.45
	SCHOOL OF PHYSICAL EDUCATION			
P11	DEAN OF PHYSICAL EDUCATION	360,921.47	43,953.64	404,875.11
P12	PHYSICAL EDUCATION FOR MEN	231,607.00	5,112.63	236,719.63
P13	PHYSICAL EDUCATION FOR WOMEN	291,553.75	4,340.79	295,894.54
P14	DIRECTOR OF ATHLETICS	470,818.55	10,047.17	480,865.72
P15	RECREATION	73,075.68	1,615.84	74,691.52
P19	EXERCISE SCIENCE	157,085.74	5,157.73	162,243.47
	DEPT TOTALS	1,585,062.19	70,227.80	1,655,289.99
	SCHOOL OF EDUCATION			
Q11	SCHOOL OF EDUCATION	2,329,847.01	109,702.73	2,439,549.74
	DEPT TOTALS	2,329,847.01	109,702.73	2,439,549.74
	ROTC			
RA1	AIR ROTC	8,636.35	1,342.53	9,978.88
RB1	ARMY ROTC	15,741.95	1,293.99	17,035.94
	DEPT TOTALS	24,378.30	2,636.52	27,014.82
	GRADUATE SCHOOL			
S11	GRADUATE SCHOOL OFFICE MANAGEMENT	188,296.38	11,408.90	199,705.28
S12	COMPUTER SCIENCE	242,241.22	31,545.20	273,786.42
S13	RESEARCH COMPUTING CENTER	252,256.77	47,308.19	299,564.96
S14	WATER RESOURCES RESEARCH CENTER	30,796.55	241.67	31,038.22
S15	UNIV. OF MASSACHUSETTS PRESS		181.00	181.00
S16	OFFICE OF RESEARCH SERVICES	8,487.55	4,104.86	12,592.41
S17	POLYMER SCIENCE AND ENGINEERING	136,032.84	20,290.39	156,323.23
S18	MARINE SCIENCES PROGRAM	68,972.92	1,440.21	70,413.13
S19	MARINE STATION	1,610.00	408.09	2,018.09
S20	ADMISSIONS	36,152.23	10,649.90	46,802.13
S21	DATA PROCESSING	6,469.55	308.57	6,778.12

SCHEDULE A-7

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
S22	RECORDS AND REGISTRATION	19,170.60	5,953.10	25,123.70
S26	RESEARCH ADMINISTRATION	666.85	859.45	1,526.30
S27	PROGRAM SUPPORT AND DEVELOPMENT	21,943.89	5,142.40	27,086.29
S90	GRADUATE ASSISTANTS	720.15		720.15
S91	FELLOWSHIP SECTION	77,006.43		77,006.43
	DEPT TOTALS	1,090,823.93	139,841.93	1,230,665.86
	LABOR RELATIONS AND RESEARCH CENTER			
T11	LABOR CENTER GENERAL FUND	84,920.17	5,789.75	90,709.92
T12	GRADUATE PROGRAM	35,743.35	158.22	35,901.57
T14	FACULTY RESEARCH	500.00		500.00
T16	LABOR EDUCATION EXTENSION		35.00	35.00
T17	LIBRARY AND PUBLICATIONS	7,220.55	2,467.22	9,687.77
	DEPT TOTALS	128,384.07	8,450.19	136,834.26
	SUMMER SCHOOL AND CONTINUING EDUCATION			
U12	CONTINUING EDUCATION	70,911.22	384.37	71,295.59
	DEPT TOTALS	70,911.22	384.37	71,295.59
	PUBLIC HEALTH			
WW1	PUBLIC HEALTH	291,580.60	10,757.54	302,338.14
	DEPT TOTALS	291,580.60	10,757.54	302,338.14
	PHYSICAL PLANT			
X20	PHYSICAL PLANT EXECUTIVE OFFICE	36,390.01	20,794.07	57,184.08
X22	ADMINISTRATION SECTION	24,658.43	381.52	25,039.95
X23	PERSONNEL/EMPLOYEE RELATIONS SECTION	32,487.73	2,479.18	34,966.91
X24	COMPTROLLER SECTION	70,351.59	10,501.21	80,852.80
X41	DESIGN ENGINEERING OFFICE	82,424.45	8,489.82	90,914.27
X42	LANDSCAPE ARCHITECTURE SECTION	42,887.06	4,252.45	47,139.51
X43	MECHANICAL ENGINEERING SECTION	107,441.21	818.70	108,259.91
X44	ELECTRICAL ENGINEERING SECTION	31,860.30	498.71	32,359.01
X45	ARCHITECTURAL SECTION	17,125.89	607.52	17,733.41
X46	CIVIL ENGINEERING AND DRAFTING SECTION	19,892.79	4,538.44	24,431.23
X47	SPECIFICATIONS SECTION		142,729.04	142,729.04
X51	PROJECT ENGINEERING OFFICE	24,153.70	952.75	25,106.45
X52	PROJECT ENGINEERING SECTION	45,157.86	79,111.70	124,269.56
X61	AMHERST MAINTENANCE OFFICE	38,936.44	43,568.42	82,504.86
X62	TECHNICAL STAFF SECTION	38,152.75	894.51	39,047.26
X63	WORK CONTROL SECTION	119,714.83	973.33	120,688.16
X64	CENTRAL STORES SECTION	108,532.50	526,915.60	635,448.10
X65	TRANSPORTATION SECTION	191,473.33	43,098.79	234,572.12
X70	PROJECT SECTION	31,675.20	350.92	32,026.12
X71	PLUMBING SHOP	124,205.05	522.45	124,727.50
X72	CARPENTRY SHOP	184,850.47	1,611.94	186,462.41
X73	MASONRY SHOP	62,607.36	23.50	62,630.86

SCHEDULE A-7

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
X74	PAINTING SHOP	209,666.37	191.40	209,857.77
X75	ELECTRICAL SHOP	138,172.56	326.96	138,499.52
X76	ROOFING AND SHEET METAL SHOP	32,509.17		32,509.17
X77	GROUNDS AND SERVICE SECTION	784,875.15	12,452.75	797,327.90
X78	CUSTODIAL SECTION	1,353,319.18	2,405.14	1,355,724.32
X79	POWER PLANT	281,447.21	2,571,022.82	2,852,470.03
X80	DORMITORY MAINTENANCE SECTION	13,218.61	180.00	13,398.61
X81	DORMITORIES - SOUTHWEST	240,394.94	94.18	240,489.12
X82	DORMITORIES - NORTHEAST	379,295.68	171.00	379,466.88
X83	OPERATIONS SECTION	13,996.75	5,488.28	19,485.03
X84	ELEVATOR SHOP	14,914.05	1,099.30	16,013.35
X85	AIR COND. AND REFRIGERATION SHOP	45,307.83	2,785.82	48,093.65
X86	CONTROLS SHOP	23,565.78		23,565.78
X87	OPERATIONS SUPPORT	143,807.61	609.00	144,416.61
X88	PREVENTIVE MAINTENANCE	191,377.13	1,456.56	192,833.69
X92	NANTUCKET RESEARCH CENTER		2,380.70	2,380.70
X93	WAREHAM CRANBERRY STATION		6,408.30	6,408.30
X94	WALTHAM FIELD STATION		26,126.75	26,126.75
X95	GLOUCESTER MARINE STATION		7,604.03	7,604.03
	DEPT TOTALS	5,300,847.17	3,534,917.56	8,835,764.73
	CAMPUS CENTER			
Z11	CAM CTR ADMIN.,		67.84CR	67.84CR
Z85	PARKING GARAGE - PROJECT #11		67.84	67.84
	DEPT TOTALS			

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	A TO Z TOTALS	50,668,653.71	7,153,815.38	57,822,469.09

SCHEDULE A-7

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	CASH ADVANCES			
400	COLLEGE SUPPLY EXPENSE (PURCHASES)		115,203.95	115,203.95
600	CENTRAL DUPLICATION RECHARGE CR		49,355.59CR	49,355.59CR
700	CENTRAL DUPLICATION EXPENSE		49,925.60	49,925.60
800	FREIGHT EXPRESS AND OVER		1.10	1.10
801	POSTAGE LOCAL POSTMASTER		193,113.04	193,113.04
802	POSTAGE RECHARGE MAILROOM		113,551.83CR	113,551.83CR
803	TEL & TELG ENC DPU ETC OUTSIDE VEND		670,000.00	670,000.00
804	TEL P TELG CHARGES TO DEPT "		518,552.45CR	518,552.45CR
805	REV/REFUNDS ACCTG		142,334.48CR	142,334.48CR
900	COLLEGE SUPPLY RECHARGE POSTAGE ENV		209,509.65CR	209,509.65CR
	DEPT TOTALS		5,060.31CR	5,060.31CR

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	1 TO 9 TOTALS		5,060.31CR	5,060.31CR
	AMHERST TOTALS	50,668,653.71	7,148,755.07	57,817,408.78

SCHEDULE A-8

CAPITAL OUTLAY EXPENDITURES & BALANCES

ACCOUNT NUMBER & NAME		EXPIRES	TOTAL APPROPRIATION	EXPENDITURES PRIOR YEAR	EXPENDITURES CURRENT YEAR	REVERTED TO STATE TREASURER	BALANCE OF APPROPRIATION JUNE 30, 1973
7490-8622-00	LAND PURCHASE	1968	$ 371,000.00	$ 369,957.60	$ -0-	$1,042.40	$ -0-
7490-8649-00	LAND PURCHASE	1968	300,000.00	299,289.88	500.00	210.12	-0-
7490-8661-00	POWER PLANT IMPR. & ADD.	1972	300,000.00	210,789.38	66,447.84	4,171.78*	18,591.00
7490-8664-00	TEACHING FACILITY CONST.	1974	863,725.00	863,724.28	-0-	-0-	.72
7490-8694-00	LAND PURCHASE	1973	100,000.00	47,633.33	6,000.00	-0-	46,366.67
7490-8696-00	AVIAN BIOLOGY BUILDING	1973	105,000.00	101,112.78	3,415.36	471.86	-0-
7490-8699-00	UTILITY SYSTEM	1973	1,510,000.00	1,503,779.46	486.40	1,311.63	4,422.51
7490-8711-00	LIBRARY BOOKS	1975	2,000,000.00	1,343,842.55	328,161.84	-0-	327,995.61
7490-8723-00	GREENHOUSE	1976	225,000.00	-0-	184,989.73	-0-	40,010.27
7491-8672-00	LAND PURCHASE	1971	300,000.00	298,600.53	500.00	60.22*	839.25
	TOTAL		$6,074,725.00	$5,038,729.79	$590,501.17	$7,268.01	$438,226.03

*Reverted Prior Year:

Power Plant Improvements and Additions	$2,645.79
Land Purchase	60.22
	$2,706.01

SCHEDULE B-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 30 FEDERAL FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
30/02 INSTRUCTION							
BANKHEAD-JONES	005100	160,846.12	6.00	.00	160,841.82	10.30	A01 A
LAND GRANT	005200	3,650.57	7,300.00	.00	.00	10,950.57	A01 A
MORRILL-NELSON	005300	.40	33,333.33	.00	.00	33,333.73	A01 A
SMITH-HUGHES	005400	7,827.14CR	.00	.00	.00	7,827.14CR	A01 A
WATER RESOURCES CONTROL ACCOUNT	005533	26,683.26	100,000.00	126,683.26CR	.00	.00	S14 A
WR-ADMINISTRATION	005534	.00	.00	24,260.67	24,260.67	.00	S14 A
WR 40	005535	.00	.00	4,428.02	4,428.02	.00	S14 A
WR 41	005536	344.96	2.00	5,237.17	5,584.13	.00	S14 A
WR 42	005537	.00	6.49	4,362.20	4,368.69	.00	S14 A
WR 43	005538	.00	.00	2,755.80	2,755.80	.00	S14 A
WR 44	005539	.00	.00	409.23	409.23	.00	S14 A
WR 45	005540	.00	75.00	5,011.25	5,086.25	.00	S14 A
WR 46	005541	877.83	.00	3,868.20	4,746.03	.00	S14 A
WR 48	005544	.00	.00	3,595.40	3,595.40	.00	S14 A
WR 49	005545	.80	.00	2,965.86	2,966.66	.00	S14 A
WR 52	005548	.00	.00	4,900.46	4,900.46	.00	S14 A
WR 53	005549	.00	.00	4,897.32	4,897.32	.00	S14 A
WR 54	005550	.00	.00	4,862.14	4,862.14	.00	S14 A
WR 55	005551	.00	.00	2,477.38	2,477.38	.00	S14 A
WR 56	005552	.00	.00	3,694.46	3,694.46	.00	S14 A
WR 57	005553	.00	.00	3,024.52	3,024.52	.00	S14 A
WR 58	005554	.00	.00	4,698.93	4,698.93	.00	S14 A
WR 59	005555	.00	1,898.77	4,014.19	5,912.96	.00	S14 A
WR 60	005556	.00	.00	3,000.00	3,000.00	.00	S14 A
WR 61	005557	.00	.00	.00	.00	.00	S14 A
WR 62	005558	.00	.00	.00	.00	.00	S14 A
WR 63	005559	.00	.00	.00	.00	.00	S14 A
WR 27	005561	207.09	130.76	.00	337.85	.00	S14 A
WR 32	005566	680.27	102.70	10,991.89	11,774.86	.00	S14 A
WR 37	005571	.00	.00	480.08	480.08	.00	S14 A
WR 38	005572	.00	.00	108.32	108.32	.00	S14 A
WR-CONTINUING RESEARCH	005574	559.95	510.91	221.95CR	848.91	.00	S14 A
WR CONTINUING RESEARCH	007100	.00	.00	422.12	.00	422.12	S14 A
WR CONTROL FY 71	007101	.00	.00	42.16	.00	42.16	S14 A
WR CONTROL FY 72	007102	.00	.00	4,289.23	.00	4,289.23	S14 A
WR CONTROL FY 73	007103	.00	.00	17,559.71	.00	17,559.71	S14 A
WR CONTROL FY 74	007104	.00	.00	.00	.00	.00	S14 A
WR ADMINISTRATION FY 72	007202	.00	.00	.00	.00	.00	S14 A
WR ADMINISTRATION FY 73	007203	.00	.00	.00	.00	.00	S14 A
WR ADMINISTRATION FY 74	007204	.00	.00	.00	.00	.00	S14 A
WR 32 FY 71	007321	.00	.00	405.67	.00	405.67	S14 A

SCHEDULE B-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 30 FEDERAL FUNDS CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
30/02 INSTRUCTION	CONTINUED						
WR 32 FY 72	007322	.00	.00	.00	.00	.00	S14 A
WR 32 FY 73	007323	.00	.00	.00	.00	.00	S14 A
WR 37 FY 72	007372	.00	.00	.00	.00	.00	S14 A
WR 40 FY 72	007402	.00	.00	.00	.00	.00	S14 A
WR 40 FY 73	007403	.00	.00	.00	.00	.00	S14 A
WR 41 FY 72	007412	.00	.00	.00	.00	.00	S14 A
WR 41 FY 73	007413	.00	.00	.00	.00	.00	S14 A
WR 41 FY 74	007414	.00	.00	.00	.00	.00	S14 A
WR 42 FY 72	007422	.00	.00	.00	.00	.00	S14 A
WR 42 FY 73	007423	.00	.00	.00	.00	.00	S14 A
WR 42 FY 74	007424	.00	.00	.00	.00	.00	S14 A
WR 43 FY 72	007432	.00	.00	.00	.00	.00	S14 A
WR 43 FY 73	007433	.00	.00	.00	.00	.00	S14 A
WR 43 FY 74	007434	.00	.00	.00	.00	.00	S14 A
WR 44 FY 72	007442	.00	.00	.00	.00	.00	S14 A
WR 45 FY 72	007452	.00	.00	.00	.00	.00	S14 A
WR 45 FY 73	007453	.00	.00	.00	.00	.00	S14 A
WR 45 FY 74	007454	.00	.00	.00	.00	.00	S14 A
WR 46 FY 72	007462	.00	.00	142.83	.00	142.83	S14 A
WR 46 FY 73	007463	.00	.00	.00	.00	.00	S14 A
WR 49 FY 72	007492	.00	.00	.00	.00	.00	S14 A
WR 52 FY 73	007523	.00	.00	.00	.00	.00	S14 A
WR 53 FY 73	007533	.00	.00	.00	.00	.00	S14 A
WR 53 FY 74	007534	.00	.00	.00	.00	.00	S14 A
WR 54 FY 73	007543	.00	.00	.00	.00	.00	S14 A
WR 54 FY 74	007544	.00	.00	.00	.00	.00	S14 A
WR 55 FY 72	007552	.00	.00	.00	.00	.00	S14 A
WR 56 FY 73	007563	.00	.00	.00	.00	.00	S14 A
WR 57 FY 73	007573	.00	.00	.00	.00	.00	S14 A
WR 57 FY 74	007574	.00	.00	.00	.00	.00	S14 A
WR 58 FY 73	007583	.00	.00	.00	.00	.00	S14 A
WR 59 FY 73	007593	.00	.00	.00	.00	.00	S14 A
WR 60 FY 73	007603	.00	.00	.00	.00	.00	S14 A
WR 60 FY 74	007604	.00	.00	.00	.00	.00	S14 A
WR 61 FY 74	007614	.00	.00	.00	.00	.00	S14 A
WR 62 FY 74	007624	.00	.00	.00	.00	.00	S14 A
WR 63 FY 74	007634	.00	.00	.00	.00	.00	S14 A
30/02 INSTRUCTION	TOTALS	186,024.11	143,365.96	.00	270,060.89	59,329.18	

SCHEDULE B-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 30 FEDERAL FUNDS CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
30/03 EXTENSION SERVICE							
SMITH-LEVER	006075	106,198.36	966,858.46	.00	948,133.98	124,922.84	K21 A
RESEARCH & MARKETING (AMA)	006076	.00	53,402.00	.00	53,402.00	.00	K21 A
NUTRITION EDUCATION PROGRAM	006077	52,220.41	772,976.22	.00	816,896.84	8,299.79	K21 A
AMA 12-05-300-122	006078	5,512.18	5,000.00	.00	1,716.90	8,795.28	K23 A
AMA 12-05-300-140	006083	458.22	.00	.00	16.24	441.98	K24 A
RURAL DEVELOPMENT	006085	8,343.22	10,856.00	.00	11,439.98	7,759.24	K21 A
USDA #12-05-300-231	006086	.00	12,350.00	.00	969.00	11,381.00	K21 A
30/03 EXTENSION SERVICE	TOTALS	172,732.39	1,821,442.68	.00	1,832,574.94	161,600.13	
30/04 EXPERIMENT STATION							
HATCH	007079	103,540.29	647,504.27	.00	681,164.53	69,880.03	K51 A
MCINTIRE-STENNIS	007080	713.79	68,655.00	.00	60,850.99	8,517.80	K66 A
REGIONAL RESEARCH	007081	12,599.92	246,902.00	.00	238,542.40	20,959.52	K51 A
CSRS 12-15-69-14	007084	7,717.30	.00	.00	7,717.30	.00	K64 A
30/04 EXPERIMENT STATION	TOTALS	124,571.30	963,061.27	.00	988,275.22	99,357.35	
SECT-30 FEDERAL FUNDS		483,327.80	2,927,869.91	.00	3,090,911.05	320,286.66	

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 53 ENDOWMENT INCOME ON INVESTMENTS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
53/01 STUDENT AID, SCHOL. & LOANS							
ALPHA SIGMA PHI SCHOLARSHIP	050010	710.47	.00	353.74	.00	1,064.21	F26 A
ALVORD DAIRY SCHOLARSHIP	050020	198.70	.00	198.57	190.00	207.27	F26 A
ASCENSION FARM SCHOOL	050040	6,624.56	250.00	5,714.89	5,400.00	7,189.45	F26 A
D K BANGS	050050	609.53	.00	292.66	.00	902.19	F26 A
SEYMOUR BAROWSKY	050090	519.84	.00	249.66	.00	769.50	F26 A
JOHN THOMAS & NANCY BUTTERWORTH	050110	464.32	.00	479.99	150.00	794.31	F26 A
BUTTRICK SCHOLARSHIP FUND	050120	891.48	.00	495.14	.00	1,386.62	F26 A
LUCIUS CLAPP	050130	890.14	.00	435.90	.00	1,326.04	F26 A
ADDISON H CLARK	050140	.00	.00	.00	.00	.00	F26 A
CLASS OF 1882 M.S.C. SCHOLARSHIP	050150	167.17	.00	93.11	46.55	213.73	F26 A
GEORGE M & EDITH H CODDING	050160	23,584.21	1,500.00	17,619.27	21,000.00	21,703.48	F26 A
F G CRANE	050180	2,546.34	.00	1,271.20	.00	3,817.54	F26 A
STEPHEN DAVIS SCHOLARSHIP	050200	873.91	.00	925.91	.00	1,799.82	F26 A
E W ELDRIDGE, JR. MEMORIAL FUND	050220	151.93	.00	77.67	.00	229.60	F26 A
GEORGE L FARLEY FUND	050230	2,951.45	.00	318.15	.00	3,269.60	F26 A
R C FOLEY SCHOLARSHIP	050235	.00	.00	121.63	.00	121.63	F26 A
HARRY L. FOLSON HOO HOO CLUB	050240	496.04	.00	516.54	496.04	516.54	F26 A
KATHRYN F FURCOLO	050260	412.30	.00	456.30	412.30	456.30	F26 A
GASSETT SCHOLARSHIP	050270	181.93	.00	73.86	.00	255.79	F26 A
CHARLES A GLEASON	050280	370.00	.00	185.83	.00	555.83	F26 A
MARGARET RUTH POMEROY HAMLIN	050300	.00	.00	1,576.44	1,576.44	.00	F26 A
C C HARDY	050310	77.50	.00	7.81	.00	85.31	F26 A
WALTER H HARRISON LOAN FUND	050320	.00	.00	556.35	556.35	.00	F26 A
PHILIP B HASBROUCK	050330	579.15	470.42	114.31	540.00	623.88	F26 A
MRS CLIFTON JOHNSON	050350	176.96	.00	165.34	.00	342.30	F26 A
HELEN E KNOWLTON	050360	317.47	.00	713.99	200.00	831.46	F26 A
HOWARD M LEBOW MEMORIAL	050370	243.56	.00	354.87	250.00	348.43	F26 A
ALBERT P MADEIRA SCHOLARSHIP	050390	548.82	.00	602.31	548.82	602.31	F26 A
MARY A MAHER SCHOLARSHIP	050395	220.63	.00	330.12	.00	550.75	O11 A
OREANA MERRIAM EDUCATIONAL	050404	17.21	.00	76.77	.00	93.98	N11 A
U OF M METAWAMPE FUND	050406	59.01	.00	51.01	.00	110.02	F26 A
HELEN MITCHELL	050408	500.12	.00	336.05	.00	836.17	N11 A
PORTER L NEWTON	050410	1,145.40	.00	1,156.45	675.00	1,626.85	F26 A
J CLARK OSTERHOUT	050420	58.78	.00	20.32	.00	79.10	F26 A
BETSY PINKERTON	050430	464.77	.00	224.62	.00	689.39	F26 A
CHARLES S PLUMB FUND	050450	1,924.26	.00	269.36	134.68	2,058.94	F26 A
FRANK H PLUMB	050460	1,054.40	.00	660.82	.00	1,715.22	F26 A
V A RICE SCHOLARSHIP	050510	176.10	.00	132.27	170.00	138.37	F26 A
MARY ROBINSON FUND	050520	290.06	.00	148.89	.00	438.95	F26 A
ILENE SHARON SAVAL	050540	113.96	.00	125.16	113.96	125.16	F26 A
FRANK R SHAW	050553	52.62	.00	50.67	103.29	.00	K01 A

SCHEDULE C-6

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 53 ENDOWMENT INCOME ON INVESTMENTS CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
53/01 STUDENT AID, SCHOL. & LOANS	CONTINUED						
PHILIP SHEINFIELD	050555	603.49	.00	295.92	.00	899.41	F26 A
HENRY FRANKLIN STAPLES MEMORIAL	050560	.00	.00	2,419.25	2,419.25	.00	F26 A
STOCKBRIDGE SCHOOL ALUMNI	050580	667.28	.00	110.98	.00	778.26	F26 A
RUTH J TOTMAN MEMORIAL FUND	050600	267.94	.00	52.16	.00	320.10	F26 A
FRANK M WEST FORESTRY	050610	873.15	.00	868.45	850.00	891.60	F26 A
WHITING STREET SCHOLARSHIP	050630	195.10	.00	100.54	.00	295.64	F26 A
HELEN A WHITTIER FUND	050640	187.77	.00	162.20	.00	349.97	F26 A
53/01 STUDENT AID, SCHOL. & LOANS	TOTALS	53,459.83	2,220.42	41,563.45	35,832.68	61,411.02	
53/02 PRIZES							
HAROLD W CARY PRIZE FUND	050124	14.69	.00	37.82	52.51	.00	J18 A
GRINNELL PRIZE	050290	146.82	.00	10.07	.00	156.89	F26 A
ELIZABETH L MCNAMARA	050400	.00	.00	47.01	47.01	.00	RB1 A
A L POND MEMORIAL	050480	166.13	.00	49.15	53.38	161.90	P14 A
BETTY STEINBUGLER	050570	78.77	.00	11.62	40.00	50.39	F26 A
53/02 PRIZES	TOTALS	406.41	.00	155.67	192.90	369.18	
53/03 BOOKS							
OSCAR G ANDERSON MEMORIAL FUND	050030	459.21	50.00	59.02	100.00	468.23	K01 A
JOHN C CUTTER	050190	542.07	.00	66.90	.00	608.97	G11 A
LIBRARY	050380	1,062.90	.00	548.28	.00	1,611.18	G11 A
ROBERT POMEROY	050470	498.33	.00	86.24	.00	584.57	G11 A
53/03 BOOKS	TOTALS	2,562.51	50.00	760.44	100.00	3,272.95	
53/04 MISCELLANEOUS PURPOSES							
OSWALD BEHREND AWARD	050080	.02	.00	50.54	50.56	.00	P14 A
THEODORE C CALDWELL	050122	72.24	.00	50.86	123.10	.00	J18 A
GUY CHESTER CRAMPTON	050170	781.38	.00	141.36	.00	922.74	AB1 A
DISTINGUISHED VISITORS COMMITTEE	050210	14,711.10	.00	3,608.64	.00	18,319.74	Z90 A
J D W FRENCH/CONTROL	050250	3,369.13	.00	2,440.45CR	360.00	568.68	AB1 A
HILLS/CONTROL	050340	2,590.56	.00	1,399.14CR	564.07	627.35	AB1 A
CHARLES A PETERS	050440	795.96	.00	77.07	.00	873.03	J34 A
WILLIAM PROCTOR FELLOWSHIP	050490	1,787.82	.00	144.36	.00	1,932.18	K07 A

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 53 ENDOWMENT INCOME ON INVESTMENTS CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73
53/04						
53/04 MISCELLANEOUS PURPOSES	TOTALS	24,108.21	.00	233.24	1,097.73	23,243.72
SECT-53 ENDOWMENT INCOME ON INVESTMENTS		80,536.96	2,270.42	42,712.80	37,223.31	88,296.87

SCHEDULE D-1

STATEMENT OF STUDENT LOAN FUNDS

TRUST ACCOUNTS	BALANCE JULY 1, 1972	ADDITIONS & INTEREST	LOAN TRANSACTIONS REPAID	LOAN TRANSACTIONS LOANED	LOAN TRANSACTIONS CANCELLED	BALANCE, JUNE 30, 1973 NOTES	BALANCE, JUNE 30, 1973 CASH	BALANCE, JUNE 30, 1973 TOTAL
DANFORTH K. BANGS	$ 7,349.78	$ 50.32	$ 233.85	$ -0-	$ 149.69	$ 497.00	$ 6,753.41	$ 7,250.41
J. W. BARTLETT	1,000.00	-0-	-0-	-0-	-0-	-0-	1,000.00	1,000.00
ADDISON H. CLARK	19,969.36	14.12	10,202.25	22,765.50	-0-	12,563.25	7,420.23	19,983.48
CLASS OF 1905	3,392.82	-0-	-0-	65.00	188.48	65.00	3,139.34	3,204.34
CLASS OF 1969	1,000.00	-0-	-0-	-0-	-0-	1,000.00	-0-	1,000.00
JOHN GEIGER MEMORIAL	1,140.00	5.00	-0-	20.00	-0-	1,140.00	5.00	1,145.00
VINCENT GOLDTHWAIT	17,404.56	149.92	18,723.83	16,905.00	483.57	12,230.06	4,840.85	17,070.91
GRADUATE AND FOREIGN STUDENTS	9,050.00	3,000.00	15,460.25	18,839.00	(100.00)	9,808.75	2,341.25	12,150.00
WALTER H. HARRISON	8,970.03	556.35	-0-	-0-	-0-	-0-	9,526.38	9,526.38
MURRAY D. LINCOLN	363.38	-0-	-0-	-0-	-0-	-0-	363.38	363.38
MASSACHUSETTS AGRICULTURE CLUB	622.52	-0-	-0-	-0-	-0-	622.52	-0-	622.52
MASSACHUSETTS ASSEMBLY	9,099.55	(1,855.69)	1,855.69	-0-	100.00	6,932.79	211.07	7,143.86
McNAMARA HOUSE	5,000.00	-0-	501.00	1,617.50	-0-	1,116.50	3,883.50	5,000.00
ELIZABETH L. McNAMARA	524.94	36.61	-0-	-0-	-0-	-0-	561.55	561.55
TIMOTHY MURPHY (EMERGENCY)	450.00	-0-	-0-	-0-	-0-	-0-	450.00	450.00
NEW ENGLAND FEEDMAN'S ASSOC.	757.39	-0-	-0-	-0-	-0-	-0-	757.39	757.39
NEW ENGLAND SOCIETY OF NEW YORK	996.00	-0-	-0-	-0-	-0-	996.00	-0-	996.00
BEN B. SELIGMAN	763.00	-0-	-0-	250.00	-0-	250.00	513.00	763.00
SIEVERS MEMORIAL	2,506.96	119.32	235.57	-0-	-0-	-0-	2,626.28	2,626.28
HENRY F. STAPLES	30,697.66	581.24	48,789.01	46,556.75	7.37	18,171.45	13,100.08	31,271.53
VETERANS	-0-	8,000.00	65.00	1,750.00	-0-	1,685.00	6,315.00	8,000.00
TOTAL TRUST FUNDS	$ 121,057.95	$ 10,657.19	$ 96,066.45	$108,768.75	$ 829.11	$ 67,078.32	$ 63,807.71	$ 130,886.03
FEDERAL FUNDS								
N. D. S. LOANS	$3,788,764.00	$495,035.85	$201,788.64	$698,856.38	$ 8,675.00	$4,117,527.49	$157,597.36	$4,275,124.85
STUDENT NURSING	143,023.27	43,960.77	5,412.87	35,350.00	2,575.00	147,814.30	36,594.74	184,409.04
HEALTH PROFESSIONS	17,501.11	10,800.00		13,780.00		20,320.00	7,981.11	28,301.11
TOTAL FEDERAL FUNDS	$3,949,288.38	$549,796.62	$207,201.51	$747,986.38	$11,250.00	$4,285,661.79	$202,173.21	$4,487,835.00
GRAND TOTAL	$4,070,346.33	$560,453.81	$303,267.96	$856,755.13	$12,079.11	$4,352,740.11	$265,980.92	$4,618,721.03

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 00 UNIV. OF MASS. BUILDING AUTHORITY

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
00/01 UMBA PROJECT #1							
PROJECT #1 O&M	000001	10,248.89	.00	195,641.40	139,683.45	66,206.84	B40 A
PROJECT #1 INTEREST INCOME	000201	.00	5,011.99	5,011.99CR	.00	.00	B40 A
PROJECT #1 REVENUE	000301	.00	329,544.93	173,629.41CR	155,915.52	.00	B40 A
PROJECT #1 DAILY INTEREST PRIN	000401	17,000.00	.00	17,000.00CR	.00	.00	B40 A
00/01 UMBA PROJECT #1	TOTALS	27,248.89	334,556.92	.00	295,598.97	66,206.84	
00/02 UMBA PROJECT #2							
PROJECT #2 O&M	000002	10,326.78	.00	733,183.73	374,415.82	369,094.69	B41 A
PROJECT #2 INTEREST INCOME	000202	.00	16,132.19	16,132.19CR	.00	.00	B41 A
PROJECT #2 REVENUE	000302	.00	812,764.01	505,051.54CR	307,712.47	.00	B41 A
PROJECT #2 DAILY INTEREST PRIN	000402	212,000.00	.00	212,000.00CR	.00	.00	B41 A
00/02 UMBA PROJECT #2	TOTALS	222,326.78	828,896.20	.00	682,128.29	369,094.69	
00/03 UMBA PROJECT #3							
PROJECT #3 REVENUE	000303	.00	130,681.45	.00	130,681.45	.00	Y14 A
00/03 UMBA PROJECT #3	TOTALS	.00	130,681.45	.00	130,681.45	.00	
00/04 UMBA PROJECT #4							
PROJECT #4 O&M	000004	12,711.33	.00	569,089.06	517,177.76	64,622.63	B42 A
PROJECT #4 INTEREST INCOME	000204	.00	11,958.31	11,958.31CR	.00	.00	B42 A
PROJECT #4 REVENUE	000304	.00	1,217,553.93	481,130.75CR	736,423.18	.00	B42 A
PROJECT #4 DAILY INTEREST PRIN	000404	76,000.00	.00	76,000.00CR	.00	.00	B42 A
00/04 UMBA PROJECT #4	TOTALS	88,711.33	1,229,512.24	.00	1,253,600.94	64,622.63	
00/05 UMBA PROJECT #5							
PROJECT #5 REVENUE	000305	.00	155,668.40	.00	155,668.40	.00	Y14 A
00/05 UMBA PROJECT #5	TOTALS	.00	155,668.40	.00	155,668.40	.00	
00/06 UMBA PROJECT #6							
PROJECT #6 O&M	000006	12,107.41	9.50	628,061.31	499,848.88	140,329.34	B43 A
PROJECT #6 INTEREST INCOME	000206	.00	10,360.64	10,360.64CR	.00	.00	B43 A

SCHEDULE E-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 00 UNIV. OF MASS. BUILDING AUTHORITY CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
00/06 UMBA PROJECT #6	CONTINUED						
PROJECT #6 REVENUE	000306	.00	1,021,084.28	534,700.67CR	486,383.61	.00	B43 A
PROJECT #6 DAILY INTEREST PRIN	000406	83,000.00	.00	83,000.00CR	.00	.00	B43 A
00/06 UMBA PROJECT #6	TOTALS	95,107.41	1,031,454.42	.00	986,232.49	140,329.34	
00/07 UMBA PROJECT #7							
PROJECT #7 REVENUE	C00307	.00	163,113.92	.00	163,113.92	.00	Y14 A
00/07 UMBA PROJECT #7	TOTALS	.00	163,113.92	.00	163,113.92	.00	
00/08 UMBA PROJECT #8							
PROJECT #8 O&M	000008	15,293.01	.00	299,933.43	275,762.22	39,464.22	B44 A
PROJECT #8 INTEREST INCOME	000208	.00	7,033.57	7,033.57CR	.00	.00	B44 A
PROJECT #8 REVENUE	000308	.00	686,445.15	285,899.86CR	400,545.29	.00	B44 A
PROJECT #8 DAILY INTEREST PRIN	000408	7,000.00	.00	7,000.00CR	.00	.00	B44 A
00/08 UMBA PROJECT #8	TOTALS	22,293.01	693,478.72	.00	676,307.51	39,464.22	
00/09 UMBA PROJECT #9							
PROJECT #9 REVENUE	000309	.00	169,326.99	.00	169,326.99	.00	Y14 A
00/09 UMBA PROJECT #9	TOTALS	.00	169,326.99	.00	169,326.99	.00	
00/10 UMBA PROJECT #10							
PROJECT #10 O&M	000010	7,438.55	.00	248,191.83	231,470.43	24,159.95	B45 A
PROJECT #10 INTEREST INCOME	000210	.00	4,806.16	4,806.16CR	.00	.00	B45 A
PROJECT #10 REVENUE	000310	.00	553,986.48	230,385.67CR	323,600.81	.00	B45 A
PROJECT #10 DAILY INTEREST PRIN	000410	13,000.00	.00	13,000.00CR	.00	.00	B45 A
00/10 UMBA PROJECT #10	TOTALS	20,438.55	558,792.64	.00	555,071.24	24,159.95	
00/11 UMBA PROJECT #11							
PROJECT #11 O & M / HOTEL	000011	5,669.28	14,672.62	5,669.28CR	14,672.62	.00	Z80 A
PROJECT #11 O & M / GARAGE	000012	5,469.17	4,135.97	5,469.17CR	4,135.97	.00	Z85 A
PROJECT #11 O & M / STUDENT FEES	000013	.00	.00	.00	.00	.00	Z11 A
PROJECT #11 INTEREST INCOME	000213	.00	22,143.95	22,143.95CR	.00	.00	Z11 A

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 00 UNIV. OF MASS. BUILDING AUTHORITY CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
00/11 UMBA PROJECT #11	CONTINUED						
PROJECT #11 REVENUE /HOTEL	C00311	.00	416,709.08	30,669.28	412,137.60	35,240.76	Z80 A
PROJECT #11 REVENUE /GARAGE	000312	.00	242,562.94	5,469.17	241,545.25	6,486.86	Z85 A
PROJECT #11 REVENUE /STU. FEES	000313	10,219.25	1,398,336.63	52,143.95	1,420,274.28	40,425.55	Z11 A
PROJECT #11 DAILY INTEREST PRIN	C00413	55,000.00	.00	55,000.00CR	.00	.00	Z11 A
00/11 UMBA PROJECT #11	TOTALS	76,357.70	2,098,561.19	.00	2,092,765.72	82,153.17	
00/12 UMBA PROJECT #12							
PROJECT #12 O&M	000014	10,677.09	.00	280,045.41	257,294.76	33,427.74	B46 A
PROJECT #12 INTEREST INCOME	000214	.00	8,261.44	8,261.44CR	.00	.00	B46 A
PROJECT #12 REVENUE	000314	.00	970,403.83	253,783.97CR	716,619.86	.00	B46 A
PROJECT #12 DAILY INTEREST PRIN	000414	18,000.00	.00	18,000.00CR	.00	.00	B46 A
00/12 UMBA PROJECT #12	TOTALS	28,677.09	978,665.27	.00	973,914.62	33,427.74	
00/13 UMBA PROJECT #13							
PROJECT #13 O&M	000015	4,610.56	.00	126,683.81	109,977.10	21,317.27	B60 A
PROJECT #13 INTEREST INCOME	000215	.00	5,065.47	5,065.47CR	.00	.00	B60 A
PROJECT #13 REVENUE	000315	.00	425,108.13	76,618.34CR	348,489.79	.00	B60 A
PROJECT #13 DAILY INTEREST PRIN	000415	45,000.00	.00	45,000.00CR	.00	.00	B60 A
00/13 UMBA PROJECT #13	TOTALS	49,610.56	430,173.60	.00	458,466.89	21,317.27	
SECT-00 UNIV. OF MASS. BUILDING AUTHORITY		630,771.32	8,802,881.96	.00	8,592,877.43	840,775.85	

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 03 FEDERAL FELLOWSHIP

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
03/01 NATIONAL INSTITUTE OF HEALTH							
NIH AH 00655-03	009440	.00	.00	1,314.00	1,314.00	.00	M13 A
NIH GM 46669-01	009447	.00	.00	.00	.00	.00	J32 A
NIH GM 46669-01A1	009449	.00	.00	263.31	263.31	.00	J32 A
NIH AI 50619-01	009450	.00	.00	22.20	22.20	.00	J39 A
NIH AI 50928-01	009451	.00	.00	91.27	91.27	.00	J39 A
NIH GM 51599-01	009452	.00	.00	231.54	231.54	.00	J39 A
NIH GM 50603-01A1	009453	.00	.00	994.39	994.39	.00	J22 A
NIH MH 54506-01	009456	.00	.00	5,419.71	5,419.71	.00	J27 A
NIH AI 50619-02	009457	.00	.00	997.60	997.60	.00	J39 A
NIH GM 46669-02	009458	.00	.00	224.00	224.00	.00	J32 A
NIH AI 50928-02	009459	.00	.00	995.12	995.12	.00	J39 A
NIH GM 51599-02	009460	.00	.00	.00	.00	.00	J34 A
NIH AI 52353-01	009461	.00	.00	370.45	370.45	.00	J39 A
NIH GM 55618-01	009463	.00	.00	.00	.00	.00	J22 A
03/01 NATIONAL INSTITUTE OF HEALTH	TOTALS	.00	.00	10,923.59	10,923.59	.00	
03/02 DEPARTMENT OF INTERIOR							
EPA #910035	009455	.00	.00	2,134.62	2,134.62	.00	M14 A
EPA-5 FL-WP 26;561-02	009709	458.84	.00	.02CR	458.82	.00	M13 A
EPA-U-910012	009710	.00	6,100.00	2,500.00CR	2,976.89	623.11	M13 A
03/02 DEPARTMENT OF INTERIOR	TOTALS	458.84	6,100.00	365.40CR	5,570.33	623.11	
03/03 NSF FOUNDATION							
NSF SUMMER AND ACADEMIC YEAR	009100	1,550.32	4,390.00	3,000.32CR	3,046.12	106.12CR	S11 A
NSF SENIOR FOREIGN SCIENTIST	009202	.40	.00	.40CR	.00	.00	S11 A
03/03 NSF FOUNDATION	TOTALS	1,550.72	4,390.00	3,000.72CR	3,046.12	106.12CR	
03/04 NATIONAL DEFENSE GRADUATE							
NDEA TITLE IV GRADUATE FELLOWSHIP	068700	.00	189.17	125,826.11	126,015.28	.00	S11 A
NDEA TITLE IV OEG-0-73-2583 GRAD FEL	068701	.00	.00	.00	.00	.00	S11 A
03/04 NATIONAL DEFENSE GRADUATE	TOTALS	.00	189.17	125,826.11	126,015.28	.00	

UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 03 FEDERAL FELLOWSHIP CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
03/05 OFFICE OF EDUCATION							
OEG 0-71-1505(603)	C68233	.00	.00	1,626.66	1,626.66	.00	J25 A
03/05 OFFICE OF EDUCATION	TOTALS	.00	.00	1,626.66	1,626.66	.00	
03/06 NASA							
NASA INTERNATIONAL FELLOWSHIP	009711	.00	3,563.80	.00	1,308.30	2,255.50	S11 A
03/06 NASA	TOTALS	.00	3,563.80	.00	1,308.30	2,255.50	
03/07 OTHER AGENCIES							
DOT FH 11-8053	068702	.00	.00	.00	.00	.00	S11 A
03/07 OTHER AGENCIES	TOTALS	.00	.00	.00	.00	.00	
SECT-03 FEDERAL FELLOWSHIP		2,009.56	14,242.97	135,010.24	148,490.28	2,772.49	

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 04 MISCELLANEOUS FELLOWSHIPS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
AMC FELLOWSHIP FUND	009895	39.56	.00	.00	33.04	6.52	K71 A
AMERICAN CHEMICAL SOCIETY PRF	009904	19.97	.00	.00	.00	19.97	J34 A
HAZEL STILLWELL BEST	009905	64.45	.00	.00	.00	64.45	M15 A
ELECTROCHEMICAL SOCIETY	009980	.00	.00	.00	.00	.00	J34 A
CAMPBELL INSTITUTE FOR FOOD	010002	126.66	.00	.00	114.19	12.47	K10 A
FORD FOUNDATION-SONNENSCHEIN	010201	.28	.00	.00	.00	.28	J12 A
FORD FOUND DISSERTATION FELLOWSHIP	010203	.00	5,000.00	.00	4,999.80	.20	J24 A
GLASS CONTAINER	010302	22,417.30	24,000.00	.00	15,795.20	30,622.10	K10 A
FELLOWSHIP FUND/PORTER	010400	.00	.00	17,535.38	.00	17,535.38	S17 A
ROBERT E HOSACK FELLOWSHIP	010500	.14	.00	.00	.00	.14	S11 A
INSTITUTE TRAFFIC ENGINEERS/AMHERST	010920	1.11	.00	.00	.00	1.11	M13 A
LINK FOUNDATION FELLOWSHIP	010950	.00	1,500.00	.00	.00	1,500.00	M13 A
MICROBIOLOGY PRE-DOCTORAL FELLOWSHIP	011000	85.37	.00	.00	.00	85.37	J32 A
MISUBISHI FELLOWSHIP	011050	73.08	.00	73.08CR	.00	.00	S17 A
NATIONAL ASSN OF INDEPENDENT SCHOOLS	011080	1.41	16,750.00	.00	16,749.53	1.88	Q11 A
NORTHEAST UTILITIES FELLOWSHIP AWARD	011503	.00	.00	.00	.00	.00	M13 A
OLIN CORPORATION CHARITABLE	011504	.00	1,250.00	.00	.00	1,250.00	J34 A
OWENS ILLINOIS FELLOWSHIP	011505	2,400.24	.00	2,400.24CR	.00	.00	S17 A
PAINT RESEARCH INSTITUTE	011600	15,062.06	.00	15,062.06CR	.00	.00	S17 A
POLYMER SCIENCE AND ENGINEERING	011605	27,102.73	3,076.92	.00	25,198.09	4,981.56	S17 A
SCHOOL OF EDUCATION FELLOWSHIP	011660	.99	.00	.00	.00	.99	Q11 A
TEXACO FELLOWSHIP IN CHEMISTRY	011700	14.91	.00	.00	.00	14.91	J34 A
WHIRLPOOL FELLOWSHIP	011750	.00	.00	1,000.00	999.81	.19	M14 A
WISE POTATO CHIP	011800	.37	.00	.00	.00	.37	K10 A
WOODROW WILSON NATIONAL FELLOWSHIP	011900	228.30	.00	.00	.00	228.30	J38 A
YOUNG ISRAEL FELLOWSHIP FUND AMHERST	011950	.00	.00	.00	.00	.00	K12 A
SECT-04 MISCELLANEOUS FELLOWSHIPS		67,638.93	51,576.92	1,000.00	63,889.66	56,326.19	

UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 05 SCHOLARSHIPS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
AFGRAD/AMHERST	012650	.00	.00	.00	.00	.00	F10 A
ALUMNI STUDENT AID FUND/SCHOLARSHIP	012655	1,319.97	20.00	10.00	.00	1,349.97	F26 A
AMERICAN AGRICULTURIST	012660	400.00	200.00	.00	200.00	400.00	K01 A
AMERICAN SOCIETY ENGINEER	012700	200.00	.00	.00	200.00	.00	M14 A
ANONYMOUS SCHOLARSHIP 2	013000	711.00	.00	.00	.00	711.00	F26 A
BAND SCHOLARSHIP FUND	013300	664.45	.00	.00	.00	664.45	J19 A
GEORGE H BARBER SCHOLARSHIP	013500	42,014.61	176,663.85	50,000.00	220,164.63	48,513.83	P14 A
DON ALLAN MEMORIAL SCHOLARSHIP FUND	013800	.00	.00	.00	.00	.00	K01 A
BORDEN AGRICULTURAL SCHOLARSHIP	013900	.00	.00	.00	.00	.00	K03 A
NATHANIEL BOWDITCH	014300	355.00	.00	.00	.00	355.00	K01 A
CMAA SCHOLARSHIP	014800	.00	.00	.00	.00	.00	K01 A
COMBUSTION ENGINEERING	015300	.00	.00	.00	.00	.00	M12 A
CHARLES M COX	015500	.00	.00	.00	.00	.00	F26 A
LOTTA M CRABTREE SCHOL/AMHERST	015700	.00	2,525.00	.00	1,775.00	750.00	F26 A
MILTON C DAVIS MEMORIAL SCHOLARSHIP	015950	.00	1,000.00	.00	700.00	300.00	J31 A
RACHEL DEITZ SCHOLARSHIP	016000	150.00	.00	.00	150.00	.00	F26 A
ENGINEERING ALUMNI ASSOC SCHOLARSHIP	016300	3,479.68	226.04	75.00	2,229.50	1,551.22	M11 A
FLORISTS GARDNERS CLUB	016900	237.50	.00	.00	200.00	37.50	K01 A
FOREIGN STUDY SCHOLARSHIP	016950	.00	800.00	350.00CR	200.00	250.00	E16 A
ELIZABETH G FITZGERALD SCHOLARSHIP	017000	125.00	1,000.00	.00	500.00	625.00	F26 A
GENERAL FOODS SCHOLARSHIP/AMHERST	017100	.00	.00	.00	.00	.00	F26 A
GRIBBON'S MUSIC EDUCATION SCHOL	017150	200.00	300.00	.00	50.00	450.00	J19 A
FRENCH GOVERNMENT FUND	017300	.00	.00	.00	.00	.00	J23 A
LEWIS GOLDSTEIN MEMORIAL SCHOL	017500	.00	.00	.00	.00	.00	F26 A
HAMPDEN COUNTY ROD AND GUN	018325	100.00	100.00	.00	.00	200.00	F26 A
HEALTH PROFESSION SCHOLARSHIP	018350	.00	2,839.00	8,032.50	6,802.50	4,069.00	F26 A
HOOD SCHOLARSHIP	018500	642.00	.00	.00	442.00	200.00	K03 A
INDUSTRIAL ENGINEERING SCHOLARSHIP	018700	135.44	.00	.00	.00	135.44	M16 A
HOWARD JOHNSON SCHOLARSHIP	018900	.00	.00	.00	.00	.00	K17 A
IREX/AMHERST	019200	10.00	.00	.00	.00	10.00	F10 A
KNORR SWISS INSTITUTE PRODUCTS	019400	.00	.00	.00	.00	.00	N13 A
LASPAU/AMHERST	019500	.00	.00	.00	.00	.00	F10 A
MASS MERCHANDISING SCHOL	019800	1,000.00	1,000.00	.00	1,000.00	1,000.00	L15 A
MERWIN MEMORIAL SCHOLARSHIP	020200	3,276.35	2,517.75	.00	2,000.00	3,794.10	F26 A
MISCELLANEOUS SCHOLARSHIPS	020300	1,081.12	400.00	.00	400.00	1,081.12	F26 A
NEW ENGLAND FARM & GARDEN SCHL/AMH	020450	.00	.00	.00	.00	.00	K01 A
NEW YORK FARMER'S SCHOLARSHIP	020500	1,000.00	.00	.00	1,000.00	.00	K01 A
NON PROF EMPLOYEES OUTING	020505	200.53	501.59	.00	158.00	544.12	B24 A
NURSING SCHOLARSHIP FUND	020590	1,400.00	373.00	48,507.00	49,142.50	1,137.50	O11 A
PROGRAM ABLE POLAROID SCHOLARSHIP	021000	15,880.74	17,000.00	15,000.00CR	17,072.96	807.78	L16 A
RESTAURANT AND HOTEL SCHOLARSHIP	021400	305.00	2,000.00	.00	1,200.00	1,105.00	K17 A

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 05 SCHOLARSHIPS CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
	CONTINUED						
RESTAURANT AND HOTEL	021401	.00	.00	.00	.00	.00	K17 A
JOSEPH C RICH FUND	021500	.00	.00	.00	.00	.00	K11 A
SEARS ROEBUCK COMPANY	021700	.00	.00	.00	.00	.00	L16 A
ALFRED P SLOAN SCHOLARSHIP	021850	.18	.00	.00	.00	.18	S17 A
STERLING SURREY SCHOLARSHIP	022100	920.00	.00	.00	200.00	720.00	L16 A
STOCKBRIDGE SENATE SCHOLARSHIP	022200	200.00	.00	.00	.00	200.00	K01 A
STOUFFER RESTAURANT CORP	022300	7.00	1,000.00	.00	500.00	507.00	K17 A
THERRIEN SCHOLARSHIP	022400	.00	.00	.00	.00	.00	K01 A
TRAFFIC FINES SCHOLARSHIP	022500	52,242.15	51,977.60	.00	57,886.00	46,333.75	F26 A
UNIVERSITY SCHOLARSHIP / AMHERST	023100	13,659.99	.00	.00	.00	13,659.99	F26 A
L R WILSON	023300	19.25	.00	19.25CR	.00	.00	F26 A
WORCESTER COUNTY POULTRY ASSN	023500	.01	.00	.00	.00	.01	K01 A
SCHOOL OF NURSING SCHOLARSHIP	034200	790.15	.00	.00	.00	790.15	O11 A
05/01 UNIV OF MASS FOUNDATION							
MARGARET FITZ-BARNES	013700	110.00	.00	.00	.00	110.00	F26 A
CLASS OF 1913 SCHOLARSHIP	014900	.00	.00	.00	.00	.00	F26 A
CLASS OF 1919 SCHOLARSHIP	015100	.00	.00	.00	.00	.00	F26 A
CLASS OF 1920 SCHOLARSHIP	015200	100.00	.00	.00	.00	100.00	F26 A
CLASS OF 1926	015800	100.00	.00	.00	.00	100.00	F26 A
VINCENT GOLDTHWAIT	017600	200.00	.00	.00	.00	200.00	F26 A
H F JONES SCHOLARSHIP	019100	.00	.00	.00	.00	.00	F26 A
CHARLES POWELL SCHOLARSHIP	020900	400.00	.00	.00	.00	400.00	F26 A
ROBERT C WESTMAN MEMORIAL	023200	.00	.00	800.00	800.00	.00	F26 A
05/01 UNIV OF MASS FOUNDATION	TOTALS	910.00	.00	800.00	800.00	910.00	
SECT-05 SCHOLARSHIPS		143,637.12	262,443.83	92,055.25	364,973.09	133,163.11	

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 06 AUXILIARY ENTERPRISES

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
ATHLETIC RESERVE FUND	025300	34,692.24	.00	1,757.25	.00	36,449.49	P14 A
ATHLETIC RESERVE FUND SPECIAL	025302	152,083.24	.00	5,968.73	.00	158,051.97	P14 A
ATHLETIC TRUST FUND	025500	34,153.87	7,963.84	486,543.10	513,443.26	15,217.55	P14 A
BOARDING HALL TRUST	025900	1,796.96	8,775.93	5,866,046.01	5,875,693.60	925.30	Y14 A
BOWLING ALLEY OPERATING ACCOUNT	026025	5,000.00	15,270.95	.00	15,356.25	4,914.70	P11 A
CAMPUS CENTER ACCOMMODATION SERVICE	026200	.00	412,137.60	6,500.00CR	314,298.83	91,338.77	Z80 A
CAMPUS CENTER DEPRECIATION RESERVE	026300	.00	.00	59,000.00	.00	59,000.00	Z11 A
CAMPUS CENTER PARKING GARAGE	026420	.00	99,908.62	.00	64,077.09	35,831.53	Z85 A
CONTINUING EDUCATION	028310	13,051.15	1,444,928.20	7,006.71CR	1,147,007.39	303,965.25	U12 A
LINCOLN & UNIVERSITY SECURITY DEP	028350	6,542.40	13,137.52	.00	6,016.20	13,663.72	B30 A
LINCOLN & UNIV SECURITY DEP INT	028351	.00	333.29	.00	.00	333.29	B30 A
NORTH VILLAGE SECURITY DEPOSIT	033980	22,145.25	24,787.46	.00	26,733.50	20,199.21	B30 A
NORTH VILLAGE SECURITY DEP INTEREST	033981	183.87	1,146.72	.00	210.55	1,120.04	B30 A
ORCHARD HILL RESIDENTIAL COLLEGE	034202	1,362.33	.00	.00	1,118.70	243.63	DD1 A
P E, FREE PLAY, GEN REC, INTRAMURAL	034450	5,000.00	111,688.78	88.00	114,634.60	2,142.18	P11 A
RECREATIONAL ACTIVITY FEE	035200	1,617.15	6,149.00	.00	6,314.40	1,451.75	P15 A
RESIDENCE HALL TRUST FUND	035602	427,638.50	1,804,405.46	57,175.42CR	1,860,588.66	314,279.88	B50 A
RESIDENCE HALL TELEPHONE TRUST FUND	035603	9,831.00	379,099.22	.00	341,163.76	47,766.46	B25 A
LINCOLN & UNIVERSITY APARTMENTS	035605	32,366.74	129,709.11	104,642.98	196,154.84	70,563.99	B62 A
R H T UNIVERSITY APARTMENTS	035607	31,148.85	67,454.24	44,642.98CR	53,960.11	.00	B70 A
RESIDENT HALL REFURBISHING	035608	.00	.00	15,000.00	3,357.00	11,643.00	B30 A
SOUTHWEST RESIDENTIAL COLLEGE	037703	2,011.15	75.00	700.00	1,477.02	1,309.13	DD5 A
STUDENT AUTOMATIC SERVICE FUND	038300	97,758.97	114,358.91	85,578.75CR	32,829.66	93,709.47	Z50 A
STUDENT HEALTH SERVICE AMHERST	038500	248,031.16	1,825,917.05	14,449.27CR	1,779,454.25	280,044.69	V11 A
STUDENT HEALTH SERVICE/PERM RESERVE	038600	54,861.00	.00	18,012.71	9,548.18	63,325.53	V11 A
STUDENT HEALTH SERVICE/EDUC RESERVE	038602	39,456.00	.00	1,610.31	.00	41,066.31	V11 A
STUDENT HOUSING DEPOSIT	038630	687,250.00	671,750.00	26,472.12CR	714,006.98	618,520.90	B30 A
CAMPUS CENTER FOOD SERVICE	038700	39,792.22	1,934,727.50	16,000.00CR	1,971,546.85	13,027.13CR	Z40 A
CAMPUS CENTER MAINT AND OPERATING	038900	146,147.52	1,407,516.80	12,000.00CR	1,651,160.71	109,496.39CR	Z11 A
CAMPUS CENTER PETTY CASH	039000	46,650.00	.00	14,500.00CR	2,000.00CR	34,150.00	Z11 A
CAMPUS CENTER UNIVERSITY STORE	039500	92,395.06CR	2,871,969.21	10,000.00CR	2,688,012.26	81,561.89	Z60 A
NEW STUDENTS' COUNSELING	039600	156,917.91	170,459.90	.00	187,891.92	139,485.89	F35 A
SECT-06 AUXILIARY ENTERPRISES		2,205,094.42	13,523,670.31	6,265,043.84	19,574,056.57	2,419,752.00	

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 07 CLEARING ACCOUNT

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
ALUMNI CLEARING ACCOUNT	025000	516.70	40,775.05	7,121.65CR	25,029.92	9,140.18	AB7 A
ALUMNI FUND-RAISING CLEARING ACCT	025001	.00	86,346.73	28,943.22CR	.00	57,403.51	AB7 A
ATHLETIC CLEARING ACCOUNT	025200	.00	571,543.10	491,543.10CR	80,000.00	.00	P14 A
BOARDING HALL CLEARING	025700	.00	6,417,676.61	5,777,914.01CR	639,762.60	.00	Y14 A
BUILDING AUTHORITY STUDENT DAMAGE	026040	.00	4,034.45	.00	159.22	3,875.23	B30 A
FEES CLEARING ACCOUNT/AMHERST	028001	166,121.30	20,782,261.79	6,448.00	20,626,239.30	328,591.79	B11 A
DORMITORY PERSONNEL ACCOUNT	028390	62,524.65	2,256,728.01	.00	2,419,853.22	100,600.56CR	B30 A
DOMESTIC ACTIONS/CLEARING	028750	74,070.51	386,856.57	450,999.11CR	.00	9,927.97	E11 A
MARRIED STUDENT HOUSING	032800	.00	41,005.61	.00	18,094.81	22,910.80	B30 A
MASS ASSEMBLY LOAN PAYMENT FUND	032900	.00	1,855.69	.00	1,629.49	226.20	B11 A
REIMBURSABLE GRANTS/AMHERST	035404	557,277.43CR	.00	167,778.97CR	.00	725,056.40CR	B15 A
RESIDENCE HALL T F STU DAMAGE CLEAR	035609	.00	313.77	.00	3.00	310.77	B30 A
SCHOL CLEARING(EXCESS AWARD)/AMHERST	036870	.00	58,990.80	214,885.68	273,876.48	.00	B11 A
SCHOL CLEARING(EXCESS AWARD)/BOSTON	036875	.00	24,025.00	33,144.50	57,169.50	.00	B11 A
TEMPORARY RENT CLEARING ACCOUNT	039720	.00	1,444,603.00	.00	1,444,422.00	181.00	B11 A
TRAVEL ADV REVOLVING/CONTRA/AMHERST	040300	10,000.00	.00	10,000.00CR	.00	.00	B11 A
NIH CASH RECEIPTS	070000	86,859.70	3,800,827.68	3,403,257.38CR	484,430.00	.00	B15 A
NIH CASH OFFICE OF EDUCATION	070001	92,269.99	2,198,813.90	2,291,083.89CR	.00	.00	B15 A
NSF CASH RECEIPT	083300	.00	2,392,469.73	2,392,469.73CR	.00	.00	B15 A
SECT-07 CLEARING ACCOUNT		64,914.58CR	40,509,127.49	14,766,632.88CR	26,070,669.54	393,089.51CR	

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SECTION 08 GENERAL PURPOSE FUND

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
08/01 UNRESTRICTED CURRENT FUNDS							
AID/AFR 281	023900	99.57	.00	48.63	148.20	.00	AB1 A
AID/CSD 3221	023903	1,489.96	3,922.34	.00	2,207.04	3,205.26	K01 A
ADMIN ALLOW FED PROGRAM/AMHERST	024020	1,800.00	21.36	29,612.39	31,071.35	362.40	AB1 A
ADVANCEMENT OF ASTRONOMY	024102	4,201.99	2,000.00	.00	4,328.60	1,873.39	J38 A
GEORGE W ALDERMAN MUSEUM FUND	024300	382.76	.00	.00	.00	382.76	J38 A
ALUMNI STUDENT AID FUND/GEN PURPOSE	024301	523.00	500.00	285.00	.00	1,308.00	F26 A
NICHOLAS APPERT CHAIR	024700	9,694.92	.00	.00	.00	9,694.92	K65 A
ART ACQUISITION FUND	024900	407.45	.00	.00	220.00	187.45	J26 A
BLACK REPERTORY THEATRE AMHERST	025650	223.82	280.75	.00	361.36	143.21	J50 A
CHANCELLOR'S CLUB TRUST FUND	025670	1,500.00	.00	.00	.00	1,500.00	AB1 A
CHANCELLORS SPECIAL TRUST FUND	025890	84,501.91	249.54	2,451.37	81,433.45	5,769.37	AB1 A
COACHES TRUST FUND	026515	.00	1,112.42	.00	1,112.42	.00	B15 A
COMTECH/SBA	026530	345.76	600.00	.00	.00	945.76	M18 A
COMTECH/NTR	026540	.00	.00	1,500.00	.00	1,500.00	M11 A
COLLEGIATE ED DISADVANTAGE STUDENTS	026600	13,827.09	18,342.18	.00	15,990.19	16,179.08	E26 A
CENTER FOR APPLIED RESEARCH MALAWI	026702	8,108.29	.00	.00	297.92	7,810.37	K21 A
COMPUTER SCIENCE SERVICE FUND	028270	1,336.39	9,156.35	.00	5,588.09	4,904.65	S12 A
BERNIE DALLAS MEMORIAL FUND	028335	209.30	.00	.00	.00	209.30	AB7 A
LAWRENCE S DICKENSON MEMORIAL	028700	100.00	.00	.00	.00	100.00	AB1 A
E I DUPONT/CHEMICAL ENGINEERING	028807	2,500.00	.00	.00	1,174.89	1,325.11	M12 A
E I DUPONT/POLYMER SCIENCE ENGR	028808	5,000.00	.00	.00	4,794.79	205.21	S17 A
ENGINEERING ALUMNI ASSOCIATION	028909	.00	2,422.90	50.00	1,253.23	1,219.67	M11 A
EQUINE RESEARCH TRUST FUND	028910	1,273.46	.00	30.05	1,005.12	298.39	K38 A
EXERCISE SCIENCE LAB FEES	028911	.00	1,449.00	.00	158.80	1,290.20	P19 A
EQUITATION FUND	029001	437.29	8,096.55	.00	5,524.95	3,008.89	K38 A
FINE ARTS DISCRETIONARY	029090	45.12	.00	.00	.00	45.12	E19 A
FORD FOUNDATION ALAMPUR-DRIVER	029600	145.25	.00	.00	42.86	102.39	J24 A
FULBRIGHT CONFERENCE	030690	.00	12,867.75	.00	859.73	12,008.02	E16 A
GENERAL ELECTRIC PITTSFIELD	030700	8,725.31	34,265.40	.00	35,563.01	7,427.70	S11 A
GENERAL SERVICE TRUST FUND	031000	266,978.14	1,155,811.90	.00	1,008,904.54	413,885.50	X64 A
CHEMICAL TRUST FUND	031001	161.58	3,169.33	.00	566.44	2,764.47	X64 A
GIFT OF STOCKBRIDGE CLASS OF 1965	031300	501.48	.00	.00	.00	501.48	K71 A
GRADUATE STUDENT PROGRAM FUND	031305	20,754.61	32,522.00	.00	38,886.59	14,390.02	S11 A
JOHN S GULLIVER MEMORIAL EQUIPMENT	031390	.00	1,500.00	.00	1,187.98	312.02	K01 A
HENDERSON FUND	031401	6,954.00	.00	.00	570.80	6,383.20	K17 A
HEALTH INSURANCE RESERVE FUND	031404	4,181.25	.00	1,675.00	5,852.26	3.99	B12 A
HEALTH SERVICES RESEARCH/AMHERST	031405	2,866.00	9,078.75	3,000.00	916.62	14,028.13	V11 A
HONORS PROGRAM TRUST	032000	77.34	36.00	1,540.00	1,153.50	499.84	E25 A
HORTICULTURE RESEARCH CENTER FUND	032100	13,987.13	18,130.96	.00	14,596.01	17,522.08	K64 A
IEP TRUST FUND	032204	157.34	.00	.00	.00	157.34	J21 A
INTERNATIONAL PROG CONF & DEV	032555	.00	2,889.75	.00	.00	2,889.75	E16 A

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 08 GENERAL PURPOSE FUND CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
08/01 UNRESTRICTED CURRENT FUNDS	CONTINUED						
MAX KADE PROFESSORSHIP	032590	903.59	4,877.00	57.09	5,837.68	.00	E16 A
KELLOGG FOUNDATION	032600	1,385.43	.00	.00	1,385.43	.00	Q11 A
MARTIN LUTHER KING FUND	032601	625.00	.00	.00	.00	625.00	Q11 A
LEISURE STUDIES & SERVICES LAB FEES	032670	.00	573.30	.00	453.75	119.55	P15 A
MAINTENANCE OF ACADEMIC PROJECTS	032801	14,928.33	.00	16,000.00	23,592.17	7,336.16	X24 A
MARINE STATION RENOVATION ACCOUNT	032820	881.36	.00	.00	810.90	70.46	S19 A
MARINE STATION OPERATING ACCOUNT	032822	1,211.67	43.04	59,358.00	58,789.31	1,823.40	S19 A
MAKEPEACE FUND	032830	454.33	.00	.00	433.03	21.30	K28 A
PAUL G & ELAINE S MARKS FINE ARTS	032845	.00	10.00	1,000.00	.00	1,010.00	J61 A
MASSACHUSETTS FOOD EDUCATION	033050	284.53	.00	.00	.00	284.53	N13 A
CHARLES E MERRILL/IND PRODUCTIVITY	033250	.00	25,000.00	13,275.00CR	1,195.27	10,529.73	M11 A
MERRILL/PRODUCTIVITY/TRAVEL	033251	.00	.00	5,000.00	971.34	4,028.66	M11 A
UNIVERSITY MOTOR VEHICLE	033500	19,152.77	71,663.00	17,175.75CR	48,845.10	24,794.92	F46 A
NATIONAL STARCH AND CHEMICAL CORP	033801	336.62	.00	.00	305.18	31.44	K10 A
NDEA TEACHERS SERVICE CANCELLATION	033900	.00	3,336.62	.00	.00	3,336.62	F26 A
NURSERY SCHOOL LABORATORY	034120	8,428.42	5,862.50	.00	5,333.99	8,956.93	N15 A
PARKING METER TRUST	034318	.00	12,336.22	.00	7,302.65	5,033.57	F47 A
PARKING LOT CONSTRUCTION & MAINT	034319	.00	.00	17,175.75	16,778.23	397.52	F47 A
PHYSICAL EDUCATION LAB FEES	034451	.00	23,449.10	.00	21,890.04	1,559.06	P11 A
PIERCE PROGRAM	034458	.00	14,000.00	.00	.00	14,000.00	L11 A
PRESIDENT'S TRUST FUND/LEDERLE	034900	24.64	3.00	.00	25.00	2.64	J17 A
RECORDING INDUSTRIES PERFORMANCE	035150	925.37	1,796.10	100.00	1,072.40	1,749.07	J19 A
REHABILITATION AND HOME CARE	035210	69.61	.00	.00	66.08	3.53	WW1 A
STATLER FOUNDATION	035700	27,761.19	830.00	.00	13,193.04	15,398.15	K17 A
HOTEL & RESTAURANT ADMIN. FIELD TRIP	035710	393.20	.00	.00	80.95	312.25	K17 A
TREVOR ROBINSON BIOCHEMISTRY	036600	263.56	.00	.00	39.30	224.26	J22 A
SAGA DEVELOPMENT FUND	036850	950.00	.00	.00	.00	950.00	K17 A
S B A CONFERENCE FUND	036901	1,961.66	.00	.00	.00	1,961.66	L16 A
SCHOOL OF EDUCATION SPECIAL TRUST	037250	9,969.53	.00	167,091.00	166,326.92	10,733.61	Q11 A
BEN B SELIGMAN MEMORIAL LECTURE	037704	1,000.00	.00	.00	.00	1,000.00	T11 A
SKINNER HALL LOUNGE	037760	.00	1,000.00	.00	.00	1,000.00	N11 A
SPERRY AND HUTCHINSON LECTURE FUND	037900	416.84	.00	.00	.00	416.84	J17 A
STOCKBRIDGE CLASS OF 1966	038202	3,776.09	231.91	.00	.00	4,008.00	AB1 A
STRENGTH TRAINING CLINIC FUND	038203	53.10	.00	.00	.00	53.10	Q11 A
SUMMER WORKSHOP IN EDUCATION	039701	77.47	.00	.00	.00	77.47	Q11 A
NORTHEAST UTILITIES SERVICE CO	039950	2,030.67	.00	.00	1,499.94	530.73	M13 A
TRUST FUND INTEREST/AMHERST	040500	63,203.68	30,824.50	145,397.00	228,930.54	10,494.64	AB1 A
UNDERGRADUATE OUTSTANDING TEACHING	040602	6,000.00	7,000.00	500.00CR	6,000.00	6,500.00	AB1 A
UNIVERSITY FUND/AMHERST	040705	3,259.77	550.00	.00	2,135.03	1,674.74	AB1 A
U OF M FOOTBALL CLUB	040720	769.30	1,100.00	1,472.09CR	397.21	.00	P36 A
UNIVERSITY OF MASS COURT CLUB	040730	299.66	800.00	221.06CR	878.60	.00	P32 A

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 08 GENERAL PURPOSE FUND CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
08/01 UNRESTRICTED CURRENT FUNDS	CONTINUED						
U OF M MUSEUM OF ZOOLOGY	040950	.00	100.00	.00	96.73	3.27	J39 A
L R WILSON	041105	.00	.00	19.25	.00	19.25	J36 A
ZOOLOGY ANIMAL ROOM FUND	041203	938.07	5,482.17	.00	6,306.37	113.87	J39 A
NONR 3357 OPERATING	067203	7.72	.00	537.90	545.62	.00	S17 A
UNIFORM RESALE FUND AF	097400	156.60	.00	.00	19.71	136.89	RA1 A
08/01 UNRESTRICTED CURRENT FUNDS	TOTALS	636,397.29	1,529,293.69	419,284.53	1,887,308.25	697,667.26	
08/02 DEPARTMENTAL SERVICE FUNDS							
AGRICULTURAL ENGINEERING	024202	117.28	50.00	.00	137.21	30.07	K04 A
ANTHROPOLOGY SERVICE FUND	024500	.00	.00	500.00	372.15	127.85	J27 A
ATHLETIC SERVICE	025020	.00	.00	1,718.15	157.44	1,560.71	P14 A
BIOCHEMISTRY SERVICE FUND/AMHERST	025503	165.31	.00	.00	165.31	.00	J22 A
BOTANY SERVICE FUND	025802	1,930.46	.00	1,850.00	1,463.25	2,317.21	J33 A
CLASSICS SERVICE FUND	026500	.00	8,181.35	.00	5,600.80	2,580.55	J31 A
CHEMICAL ENGINEERING	026900	9,953.49	26,088.87	5,000.00	30,644.75	10,397.61	M12 A
CIVIL ENGINEERING SERVICE FUND	026903	5,252.55	1,190.57	1,500.00	4,233.31	3,709.81	M13 A
COLLEGE OF AGRICULTURAL SERVICE FUND	028000	84.79	.00	.00	.00	84.79	K01 A
COLLEGE OF ARTS AND SCIENCES	028100	1,961.21	2,500.00	250.00	1,930.74	2,780.47	J11 A
COMPARATIVE LITERATURE	028250	76.13	.00	500.00	172.61	403.52	J42 A
COOPERATIVE EXTENSION	028330	7,678.31	14,606.55	.00	11,224.08	11,060.78	K21 A
DEAN OF STUDENTS SERVICE FUND	028600	50.00	65.00	1,312.50	15.47	1,412.03	F10 A
DEPARTMENT OF CHEMISTRY SERVICE FUND	028800	12,393.78	8,448.68	.00	7,226.41	13,616.05	J34 A
ENVIRONMENTAL HEALTH AND SAFETY	028810	8.25	9.75	.00	.00	18.00	F38 A
DEPARTMENT OF PUBLIC HEALTH SERVICE	028850	552.71	.00	.00	249.28	303.43	WW1 A
GOVERNMENT SERVICE	028900	4,357.91	.00	1,250.00	53.59	5,554.32	J17 A
FORESTRY AND WILDLIFE MANAGEMENT	028901	63.92	.00	.00	11.60	52.32	K11 A
ENGLISH SERVICE FUND	028903	764.17	.00	2,027.00	1,419.60	1,371.57	J14 A
ELECTRICAL ENGINEERING	028904	1,777.66	2,492.21	600.00	2,958.89	1,910.98	M15 A
FOOD SCIENCE AND TECH SERVICE FUND	029400	437.73	.00	.00	.00	437.73	K10 A
GEOLOGY SERVICE FUND	030800	417.85	8,151.88	.00	6,894.49	1,675.24	J36 A
GERMAN DEPARTMENT FUND	031100	1,864.19	781.40	2,250.00	2,964.97	1,930.62	J16 A
GRADUATE SCHOOL SERVICE	031400	.20	199.07	.00	14.98	184.29	S11 A
HISTORY SERVICE FUND	031403	584.83	127.00	1,259.14	1,359.36	611.61	J18 A
HOME ECONOMICS	031700	448.21	.00	.00	.00	448.21	N11 A
INDUSTRIAL ENGINEERING FUND	032400	1,710.78	.00	.00	562.43	1,148.35	M16 A
LABOR CENTER SERVICE	032605	5,406.21	551.84	.00	1,160.84	4,797.21	T11 A
LEGISLATIVE SERVICE FUND	032630	.00	.00	845.00	83.51	761.49	J17 A
MARINE SERVICE FUND	032802	290.17	.00	.00	25.00	265.17	S18 A
MATHEMATICS SERVICE FUND	033103	2,020.36	401.56	1,500.00	909.83	3,012.09	J37 A

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 08 GENERAL PURPOSE FUND CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
08/02 DEPARTMENTAL SERVICE FUNDS	CONTINUED						
MECHANICAL AND AEROSPACE	033105	5,868.98	32,162.25	2,450.00	27,999.70	12,481.53	M14 A
MICROBIOLOGY SERVICE FUND	033300	9.27	.00	.00	.00	9.27	J32 A
PHILOSOPHY SERVICE FUND	034402	210.30	.00	1,500.00	756.55	953.75	J20 A
PHYSICS SERVICE FUND	034403	6,640.48	31,046.42	2,000.00	31,106.18	8,580.72	J38 A
CAREER PLANNING AND PLACEMENT	034500	58.54	2,870.80	.00	450.88	2,478.46	F36 A
PLANT PATHOLOGY SERVICE/AMHERST	034550	545.64	.00	.00	275.97	269.67	K76 A
PLANT AND SOIL SCIENCES	034600	728.59	.00	500.00	334.05	894.54	K88 A
POLYMER AND ENGINEERING SERVICE FUND	034602	200.00	3,600.00	500.00	666.49	3,633.51	S17 A
PSYCHOLOGY SERVICE FUND	035100	2,434.15	3,245.47	3,050.00	4,836.45	3,893.17	J21 A
ROMANCE LANGUAGE SERVICE FUND	036700	1,698.62	160.00	.00	986.27	872.35	J23 A
SCHOOL OF BUSINESS ADMINISTRATION	036900	15,640.92	8,827.00	.00	4,253.76	20,214.16	L11 A
SCHOOL OF EDUCATION SERVICE FUND	037100	22,896.03	123,992.91	13,425.00	126,488.75	33,825.19	Q11 A
SCHOOL OF ENGINEERING SERVICE FUND	037500	8,397.42	25.00	423.63	1,161.01	7,685.04	M11 A
SCHOOL OF NURSING FUND	037700	104.11	.00	.00	57.75	46.36	O11 A
SCHOOL OF PHYSICAL EDUCATION	037701	80.13	280.00	.00	43.00	317.13	P11 A
SOCIOLOGY SERVICE FUND	037702	1,835.37	33.66	.00	372.25	1,496.78	J24 A
SPANISH SERVICE FUND	037750	94.92	.00	.00	.00	94.92	J30 A
SPEECH SERVICE FD	037802	1,825.10	15,005.05	2,468.00	17,729.50	1,568.65	J25 A
STAFF PHYSICIANS SERVICE FUND	038200	1,494.20	57.25	.00	502.33	1,049.12	V11 A
VET AND ANIMAL SCIENCE FUND	041002	2,771.00	281.25	500.00	560.32	2,991.93	K15 A
ZOOLOGY SERVICE FUND	041202	5,116.48	90.00	260.00	694.62	4,771.86	J39 A
SCHOOL OF ENGINEERING SPECIAL TRUST	067414	1,157.87	.00	1,120.97CR	36.90	.00	M11 A
08/02 DEPARTMENTAL SERVICE FUNDS	TOTALS	140,176.58	295,522.79	48,317.45	301,324.63	182,692.19	
08/03 OPERATING ACCOUNTS							
ENGINEERING RESEARCH INSTITUTE	029000	4,663.50	3,500.70	1,120.97	3,454.97	5,830.20	M11 A
AGR & INDUST MICROBIOLOGY INST	032202	5,849.75	43.31	3,826.29	6,655.31	3,064.04	K57 A
POLYMER RESEARCH INSTITUTE	034401	17,641.90	309.00	29,108.10	17,832.82	29,226.18	S17 A
RESEARCH TRUST FUND/AMHERST	035505	291,071.30	54,041.47	150,190.95	251,505.98	243,797.74	AB1 A
08/03 OPERATING ACCOUNTS	TOTALS	319,226.45	57,894.48	184,246.31	279,449.08	281,918.16	
SECT-08 GENERAL PURPOSE FUND		1,095,800.32	1,882,710.96	651,848.29	2,468,081.96	1,162,277.61	

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SECTION 09 GIFTS & GRANTS PENDING TRUSTEE ACTION

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
CLASS OF 1911 STUDENT LOAN/AMHERST	026510	2,702.78	.00	.00	.00	2,702.78	B11 A
BERNIE DALLAS MEMORIAL FUND	026560	80.50	.00	.00	.00	80.50	AB7 A
R C FOLEY SCHOLARSHIP	026570	100.00	5,000.00	.00	5,000.00	100.00	K15 A
JEFF MORGAN MEMORIAL SCHOLARSHIP	033670	.00	2,171.50	.00	.00	2,171.50	J19 A
HARVEY SWADOS SCHOLARSHIP	039715	.00	4,155.00	.00	15.00	4,140.00	J14 A
BARRY LEE WOLK MEMORIAL	041109	30.00	.00	.00	.00	30.00	J17 A
SECT-09 GIFTS & GRANTS PENDING TRUSTEE ACTION		2,913.28	11,326.50	.00	5,015.00	9,224.78	

SECTION 10 LIBRARY FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
BOOK REPLACEMENT FUND	025701	6,375.37	4,035.00	.00	9,404.00	1,006.37	G11 A
MILTON C DAVIS MEMORIAL FUND/AMHERST	028510	6,055.00	25.00	.00	.00	6,080.00	G11 A
HOTEL & RESTAURANT LIBRARY FUND	032200	146.39	.00	.00	.00	146.39	K17 A
MEMORIAL LIBRARY JFK	032550	14,513.50	776.60	.00	.00	15,290.10	G11 A
FRIENDS OF THE LIBRARY	032680	6,375.50	6,929.00	950.00	1,862.74	12,391.76	G11 A
LIBRARY BINDING	032690	205.65	962.50	.00	1,049.00	119.15	G11 A
LIBRARY FUND	032700	227.46	9,484.35	240.86	4,705.68	5,246.99	G11 A
MORRILL SCIENCE LIBRARY FUND	033700	125.00	.00	.00	.00	125.00	G11 A
RAYMOND H OTTO LIBRARY FUND/AMHERST	035140	3,705.93	3.00	.00	54.04	3,654.89	K12 A
J W SWANSON MEMORIAL/AMHERST	040910	1,666.50	.00	.00	.00	1,666.50	G11 A
BRUCE WARNER LIBRARY FUND	041102	109.15	.00	.00	.00	109.15	G11 A
SECT-10 LIBRARY FUNDS		39,505.45	22,215.45	1,190.86	17,075.46	45,836.30	

SCHEDULE F-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 11 MISCELLANEOUS SERVICE FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
INSTITUTIONAL ALLOWANCE GENERAL	010800	114,517.04	16,178.93	102,087.98	193,230.21	39,553.74	AB1 A
ALUMNI TRUST	024303	8,252.77	5,611.81	35,907.05	38,082.81	11,688.82	AB7 A
ALUMNI DIRECTORY FUND	024304	1,210.55	460.50	5.00	10.00	1,666.05	AB7 A
ALUMNI FUND-RAISING ACCOUNT	024305	.00	.00	30,322.22	30,279.54	42.68	AB7 A
BOTANY XEROX SERVICE FUND	025800	347.74	.00	.00	330.00	17.74	J33 A
COP-WORCESTER	026550	19,515.80	70,698.28	43,429.50CR	45,519.21	1,265.37	Q11 A
COP CITY OF NEW YORK	026551	26,118.84	214,564.80	88,737.82	314,703.56	14,717.90	Q11 A
BLACK URBAN TEACHER SHORTAGE-BOSTON	026552	10.63	7,500.00	5,870.87CR	1,639.76	.00	Q11 A
COP-CITY OF SPRINGFIELD-EPD	026553	6,929.98	24,007.10	2,283.61CR	28,653.47	.00	Q11 A
COP-SPRINGFIELD	026554	6,037.99	54,632.50	299.62	49,707.05	11,263.06	Q11 A
COP/ON SITE/CITY OF WORCESTER	026555	.00	84,000.00	5,938.42CR	76,734.16	1,327.42	Q11 A
CSEI NETWORK	026666	269.10	5,650.00	.00	5,553.28	365.82	Q11 A
CENTER FOR URBAN EDUCATION	026680	883.45	2,000.00	.00	2,730.75	152.70	Q11 A
COASTAL RESEARCH GROUP/AMHERST	026750	1,310.58	2,023.56	.00	3,237.10	97.04	J36 A
COMPUTER TRUST FUND	028300	131,019.90	226,222.83	680,961.00	938,111.18	100,092.55	S13 A
EDUCATIONAL INNOVATION DEVELOPMENT	028890	2,423.03	4,248.00	.00	682.88	5,988.15	Q11 A
ENGINEERING HYBRID COMPUTER TRUST	028902	160.04	.00	.00	160.00	.04	M12 A
ENGINEERING SHOP	028905	.00	.00	.00	.00	.00	M11 A
LAND USE MAPPING PROJECT	032606	.00	116.00	.00	10.00	106.00	K11 A
MATHEMATICS XEROX SERVICE FUND	033102	1,352.12	425.35	.00	1,419.00	358.47	J37 A
OFFICE OF TRANSFER AFFAIRS	033333	.00	150.00	.00	39.75	110.25	F29 A
PHOTO CENTER TRUST ACCOUNT/AMHERST	034350	9,614.41	33,547.79	.00	20,545.24	22,616.96	AA3 A
RCS GENERAL	035550	.00	237.55	35,376.00	35,566.73	46.82	S16 A
RCS RESEARCH COORDINATOR	035580	22.00	.00	22,643.00	21,036.43	1,628.57	S16 A
RCSA ELECTRONICS SHOP	035599	278.54	677.00	1,000.00	712.36	1,243.18	S16 A
RCS GLASS SHOP	035600	4,234.35	8,540.93	5,000.00CR	3,694.77	4,080.51	S16 A
RCS CHEMICAL ANALYSIS	035601	4,404.34	6,381.70	4,000.00	13,283.03	1,503.01	J34 A
STREPTOCOCCI LAB TRUST FUND/AMHERST	040400	21,715.05	43,474.54	26,000.00CR	36,701.88	2,487.71	J32 A
UNIVERSITY COPY CENTER	040603	43,098.36	296,890.23	.00	298,042.82	41,945.77	B21 A
UNIVERSITY DAY CARE CENTER	040610	7,688.37	21,965.08	1,500.00	22,561.55	8,591.90	N15 A
UNIVERSITY PRESS COMMITTEE	041100	29,383.22	136,569.07	179,063.00	287,298.25	57,717.04	S15 A
UNIVERSITY PRESS/DUBOIS	041101	.00	4,100.00	.00	2,089.80	2,010.20	S15 A
COUNSELING AND TESTING	041201	1,218.55	5,654.88	.00	4,830.15	2,043.28	F35 A
NSF GU 3448 PRIOR LIABILITIES	087116	.00	.00	.00	.00	.00	S16 A
NSF INST GU 3448 GLASS SHOP	087117	.00	.00	12,616.51	12,616.51	.00	S16 A
NSF INST GU 3448 CHEMICAL ANALYSIS	087118	.00	.00	6,268.72	6,268.72	.00	S16 A
NSF INST GU 3448 PHYSICS	087119	.00	.00	11,238.96	11,238.96	.00	S16 A
NSF INST GU 3448 SECRETARIAT	087120	.00	.00	1,524.15	1,524.15	.00	S16 A
NSF INST GU 3448 ELECTRONICS	087121	.00	.00	6,843.91	6,843.91	.00	S16 A
NSF INST GU 3448	087122	.00	.00	.00	.00	.00	S16 A
SECT-11 MISCELLANEOUS SERVICE FUNDS		442,016.75	1,276,528.43	1,131,872.54	2,515,688.97	334,728.75	

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UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 12 STUDENT PROGRAMS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
ACADEMIC THEATRE	024100	1,523.94	10,047.53	1,000.00	11,681.77	889.70	J25 A
ARCHCEOLOGY FIELD SCHOOL	024800	3,006.23	2,577.50	.00	4,985.09	598.64	J27 A
BAR REVIEW COURSE	025501	.16	.00	.00	.00	.16	E11 A
BOLOGNA 1971	026007	.00	.00	405.00CR	405.00CR	.00	E16 A
BOLOGNA 1972 SUMMER PROGRAM	026008	12,004.77	200.00	.00	12,825.23	620.46CR	E16 A
BOLOGNA SUMMER 1973	026009	.00	25,181.00	3,850.00	24,969.26	4,061.74	E16 A
CHAMBER MUSIC SUMMER 1970	026820	72.60	.00	.00	.00	72.60	J19 A
COMMENCEMENT FUND/AMHERST	026902	58,581.00	67,130.80	.00	32,029.57	93,682.23	AA9 A
CUBAN REFUGEE	028400	375.00	.00	.00	.00	375.00	F26 A
DANFORTH FOUNDATION RESIDENCE	028500	27.96	.00	.00	.00	27.96	DD1 A
FINE ARTS FEE ACCOUNT	029002	4,013.10	172,243.67	400.00CR	167,730.05	8,126.72	E19 A
FOREIGN PROGRAMS	030401	5,541.99	.00	3,990.82	.00	9,532.81	E16 A
FOREIGN PROGRAMS ADMINISTRATIVE	030402	.00	1,018.00	2,219.88CR	1,355.93CR	154.05	E16 A
FRIEBURG 1971	030551	973.50	.00	973.50CR	.00	.00	E16 A
FREIBURG 1970	030605	14.00	119.00	118.00CR	15.00	.00	E16 A
FREIBURG 1970/71 PROGRAM	030606	949.28	481.00	1,413.28CR	17.00	.00	E16 A
FREIBURG 1971/72 PROGRAM	030607	4,128.99	200.00	1,672.47	697.76	5,303.70	E16 A
FREIBURG 1972 SUMMER PROGRAM	030608	1,698.23	298.78	.00	1,328.00	669.01	E16 A
FREIBURG 1972/73 PROGRAM	030609	5,350.00	3,123.00	21,981.69	25,337.05	5,117.64	E16 A
FREIBURG SUMMER 1973	030610	.00	19,733.25	63.00	18,060.75	1,735.50	E16 A
FREIBURG 1973/74 PROGRAM	030611	.00	3,845.94	.00	.00	3,845.94	E16 A
GRADUATE STUDENT SENATE	031301	9,555.56	13,003.70	1,700.00CR	15,982.63	4,876.63	S25 A
GRADUATE STUDENT GENERAL FEE	031303	245.00	.00	.00	.00	245.00	S11 A
IDENTIFICATION CARD	032300	29,401.24	28,051.05	.00	28,765.78	28,686.51	F10 A
JAPANESE SUMMER 1967	032503	45.84	.00	.00	.00	45.84	E16 A
JAPANESE SUMMER 1969	032504	138.41	.00	.00	.00	138.41	E16 A
JAPANESE SUMMER 1970	032505	2,865.84	.00	.00	.00	2,865.84	E16 A
LAW ENFORCEMENT EDUCATIONAL	032607	1,584.00	11,725.00	.00	10,350.00	2,959.00	F26 A
MADRID 1971	032704	1,046.71	.00	1,046.71CR	.00	.00	E16 A
MADRID SUMMER 1972	032705	7,803.31	863.00	.00	5,557.50	3,108.81	E16 A
MADRID SUMMER 1973	032706	.00	9,095.00	.00	6,661.67	2,433.33	E16 A
MARCHING BAND	032850	76.76	360.00	5,010.00	4,889.44	557.32	J19 A
NANTUCKET	033702	.00	.00	.00	.00	.00	E18 A
OPERETTA GUILD VALUABLE MEMBER	034203	.00	.00	.00	.00	.00	F26 A
OXFORD SUMMER 1971	034305	3,574.90	.00	3,230.05CR	344.85	.00	E16 A
OXFORD SUMMER 1972	034306	6,263.16	1,000.00	.00	4,209.31	3,053.85	E16 A
OXFORD SUMMER 1973	034307	.00	117,806.89	.00	112,917.94	4,888.95	E16 A
PAU 1971	034322	261.50	.00	261.50CR	.00	.00	E16 A
GRENOBLE-PAU 1972 PROGRAM	034323	8,977.10	.00	402.85	9,379.95	.00	E16 A
GRENOBLE SEMESTER 1973	034324	.00	10,517.00	.00	10,217.00	300.00	E16 A
PLANT PATHOLOGY GRADUATE	034501	50.00	.00	.00	.00	50.00	K16 A

SCHEDULE F-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 12 STUDENT PROGRAMS CONTINUED

ACCOUNT NAME	ACCOUNT CODE CONTINUED	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
ROTC ARMY COMMUTATION UNIFORM	035400	6.65	2,204.00	6.65CR	1,835.53	368.47	RB1 A
AF COMMUTATION UNIFORM	035402	2,764.47	2,791.97	.00	2,680.53	2,875.91	RA1 A
RESIDENCE HALL CULTURAL ENRICHMENT	035604	2,016.07	150.00	4,178.75	524.80	5,820.02	F10 A
RECOGNIZED STUDENT ORGANIZATIONS	039100	282,127.53	1,507,676.58	43,832.00	1,498,899.06	334,737.05	Z90 A
SUMMER ACTIVITIES SUMMER	039700	.00	.00	.00	.00	.00	U11 A
U OF M STUDENT SENATE / CCEBS	041000	2,409.67	32,540.00	.00	31,366.92	3,582.75	E26 A
COLLEGE WORK STUDY	069500	36,852.56	198,337.28	721,250.25	956,335.76	104.33	F26 A
SECT-12 STUDENT PROGRAMS		496,327.03	2,242,320.94	795,457.26	2,998,834.27	535,270.96	

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 13 SPONSORED RESEARCH

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
AGWAY ENGINEERING	042803	4,939.92	.00	.00	1,325.70	3,614.22	K04 A
AGWAY BORTON FUND	042804	530.05	.00	30.05CR	500.00	.00	K15 A
AGWAY DLA FUND	042903	2,008.52	2,000.00	.00	367.48	3,641.04	K15 A
AGWAY FENNER	042904	1,234.85	1,000.00	.00	327.31	1,907.54	K15 A
AGWAY PLANT SCIENCE	042905	3,521.22	.00	.00	381.25	3,139.97	K09 A
AGWAY JENSEN	042906	390.94	.00	.00	92.10	298.84	K62 A
AMERICAN CYANAMID	042910	.00	.00	.00	.00	.00	K15 A
BEECHNUT FUND	043201	8,497.40	.00	.00	3,731.10	4,766.30	K10 A
BOURNE	043700	3,338.92	1,374.35	461.37	402.46	4,772.18	K07 A
CAPE COD	044100	9,951.03	6,339.92	.00	5,703.27	10,587.68	K60 A
CARNATION	044500	81.63	.00	.00	30.74	50.89	K73 A
CHICOPEE BORING & TESTING LAB INC	044550	.00	2,000.00	.00	1,955.50	44.50	M13 A
HEUBLEIN	045250	22,800.68	8,000.00	.00	14,057.65	16,743.03	K10 A
KIMBERLY CLARK MUELLER	045300	380.76	.00	.00	.00	380.76	K13 A
KIMBERLY CLARK LITSKY	045400	12,485.94	17,000.00	.00	21,462.63	8,023.31	K13 A
COMBUSTION ENGINEERING, INC.	045601	.00	3,333.34	170.00	2,858.06	645.28	M14 A
CONTROL DATA CORP M10AA	045951	1,276.16	.00	.00	1,276.16	.00	S12 A
CONWED CORPORATION	045952	633.27	4,936.04	.00	5,256.74	312.57	M14 A
CONTROL DATA CORP PROJECT M10BA	045953	.00	5,000.00	1,380.00CR	3,040.39	579.61	J34 A
DAIRY GENETICS	047800	2,903.50	3,170.00	.00	3,545.27	2,528.23	K15 A
CORPS OF ENGINEERS SOIL ANALYSES	047801	.00	2,500.00	.00	1,266.03	1,233.97	K84 A
FOOD MART FUND/AMHERST	048501	.00	.00	.00	.00	.00	K03 A
FURUKAWA RESEARCH	048610	3,233.00	.00	.00	.00	3,233.00	S17 A
GEIGY CHEMICAL CORP	048800	32.92	.00	50.00	43.37	39.55	K13 A
GEIGY DOG TICK FUND	048803	183.14	.00	.00	44.59	138.55	K73 A
GEIGY FORESTRY	048804	69.55	.00	.00	.00	69.55	K11 A
GENERAL ELECTRIC/RHODES	048850	.00	.00	750.00CR	750.00CR	.00	K66 A
GENERAL ELECTRIC/HOADLEY	048851	1,125.00	.00	.00	1,125.00	.00	K11 A
GENERAL ELECTRIC/GALE	048852	.00	2,495.92	.00	1,938.55	557.37	J12 A
GENERAL ELECTRIC/STEIN	048853	.00	.00	1,213.95	1,213.95	.00	J34 A
GENERAL TIRE & RUBBER	048900	10,031.30	6,000.00	.00	1,716.91	14,314.39	J34 A
GENERAL TIRE & RUBBER CO #2	048901	.00	.00	.00	.00	.00	S17 A
HERCULES KARASZ	049511	1,500.00	.00	.00	1,134.06	365.94	S17 A
HOFFMANN-LAROCHE	049900	3,484.26	29,950.00	1,312.50CR	4,750.22	27,371.54	V11 A
HOLYOKE WATER POWER	049902	18.15	.00	.00	.00	18.15	K11 A
HUNTER ASSOCIATES LABORATORY-AMHERST	050101	384.70	.00	.00	367.86	16.84	K10 A
IMASCO FOODS LTD	050245	.00	.00	.00	.00	.00	K10 A
KERATENE	050600	3,502.90	.00	.00	1,243.56	2,259.34	K10 A
LEUCOSIS FUND	050900	1,319.11	3,000.00	.00	4,215.94	103.17	K71 A
LILLY RESEARCH LABORATORIES/AMHERST	051003	739.72	.00	.00	730.89	8.83	J32 A
TOWN OF MARION-SHELLFISH	051008	17.00	4,000.00	.00	3,724.38	292.62	M14 A

SCHEDULE F-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 13 SPONSORED RESEARCH CONTINUED

ACCOUNT NAME	ACCOUNT CODE CONTINUED	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
MAIZE RESEARCH	051050	.00	6,882.00	.00	2,594.89	4,287.11	K73 A
MASS GOLF ASSOCIATION	051102	4,650.00	7,895.00	.00	5,524.57	7,020.43	K09 A
MECHANICAL ENGINEERING	051501	91.38	.00	.00	67.59	23.79	M14 A
MEDICAL RESEARCH	051503	134.24	500.00	110.00CR	59.08	465.16	J22 A
TOWN OF MATTAPOISETT SHELLFISH	051507	388.12	4,000.00	.00	3,925.62	462.50	M14 A
MA MARINE SERVICES INDUSTRIES STUDY	051508	.00	.00	.00	.00	.00	K03 A
MERCK SHARP DOHME MCEWEN	051550	17.71	.00	.00	12.60	5.11	J34 A
WM S MERRELL FUND	051649	2,448.15	.00	.00	2,448.15	.00	K57 A
MILLIPORE CORPORATION	051655	.00	1,000.00	.00	.00	1,000.00	K13 A
MIRLIN CORPORATION	051852	1,231.49	3,000.00	.00	3,774.69	456.80	K10 A
MIRLIN CORPORATION/NAWAR	051853	.00	2,000.00	.00	450.00	1,550.00	K10 A
MONSANTO CHEMICAL	052100	1,364.94	512.70	.00	1,047.74	829.90	J34 A
MORRISON-KNUDSEN/MARRA	052101	.00	2,000.00	.00	.00	2,000.00	K11 A
MONSANTO POLYMER	052102	7,003.96	2,500.00	.00	924.30	8,579.66	J34 A
MUSCLE BIOCHEMISTRY LAB SUPPORT	052104	.00	12,500.00	3,990.83	16,490.83	.00	P19 A
NE ELECTRIC SYSTEM	052301	.00	23,932.00	3,501.57CR	13,782.94	6,647.49	M16 A
NORTHEAST UTILITIES	052325	.00	9,180.00	1,152.36CR	4,114.60	3,913.04	E27 A
NIAGARA CHEMICAL CO	052406	500.00	.00	80.00CR	420.00	.00	K73 A
NORTON	052600	308.16	.00	.00	21.05	287.11	K13 A
ONDRICK CONSTRUCTION CO	052650	1,924.90	.00	.00	1,881.47	43.43	M13 A
OCEAN SPRAY CRANBERRY	052900	2,372.51	.00	.00	1,329.68	1,042.83	K10 A
PHILCO-FORD CORPORATION	052904	1,895.73	3,144.00	3,639.95CR	1,399.78	.00	S17 A
OLIN CORPORATION	052905	.00	.00	.00	.00	.00	K10 A
OWENS ILLINOIS TRUST FUND	052906	4,000.00	.00	.00	4,000.00	.00	S17 A
PESTICIDE EVALUATION	052910	.00	2,350.00	80.00	66.15	2,363.85	K73 A
POLYMER SCIENCE & ENGINEERING	055200	45,084.57	59,194.00	.00	53,208.36	51,070.21	S17 A
POULTRY INSTITUTE-JRS FUND	055300	661.30	.00	.00	90.21	571.09	K71 A
POULTRY VACCINE	055400	4,979.02	.00	.00	1,676.71	3,302.31	K73 A
QUAKER OATS CO	055500	923.72	.00	.00	891.85	31.87	K10 A
REMOTE SENSING/MACCONNELL	055501	9,500.00	2,565.75	2,581.50	14,647.25	.00	K11 A
SOIL & HEALTH	056103	3,943.50	2,300.00	.00	5,093.90	1,149.60	N13 A
RUSH-HAMPTON INDUSTRIES	056200	.00	7,000.00	.00	2,853.91	4,146.09	K13 A
SPD TECHNOLOGY FUND-DLB	056300	4,764.75	9,061.86	.00	12,242.57	1,584.04	K71 A
SANDOZ WANDER FUND	056401	3,591.07	2,000.00	.00	.00	5,591.07	K60 A
TOWN OF SHARON TRUST FUND	056411	.00	3,750.00	1,450.00	4,508.35	691.65	K12 A
SHELL CHEMICAL	057100	902.46	.00	.00	695.93	206.53	K07 A
SHELL WALTHAM	057210	49.57	500.00	.00	420.00	129.57	K73 A
STAUFFER CHEMICAL CO	057411	300.00	600.00	.00	271.45	628.55	K60 A
MARK SWANN	057412	.00	2,400.00	.00	2,052.50	347.50	M13 A
STONE & WEBSTER ENGINEERING CORP	057413	.00	6,098.00	500.00CR	5,507.91	90.09	M13 A
3M CORPORATION FUND	058000	958.70	29,300.00	.00	25,326.98	4,931.72	K57 A

UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 13 SPONSORED RESEARCH CONTINUED

ACCOUNT NAME	ACCOUNT CODE CONTINUED	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
TRAVENOL LAB	058104	.00	6,000.00	.00	5,627.49	372.51	K10 A
TAKEDA CHEMICAL	058200	2,683.37	.00	.00	.00	2,683.37	K10 A
UNIROYAL / STEIN	058209	.00	3,000.00	.00	2,861.69	138.31	S17 A
VASCULAR DISEASE STUDIES	058300	425.00	.00	.00	242.54	182.46	K73 A
VEGETABLE CROPS	058400	3,631.23	200.00	.00	299.49	3,531.74	K09 A
WATERSHED MONITORING PROGRAM	058421	300.00	.00	.00	300.00	.00	K13 A
WEED BIOLOGY	058430	667.80	500.00	.00	.00	1,167.80	K09 A
WATER QUALITY RESEARCH	058472	.00	630.00	.00	540.15	89.85	K60 A
WESTERN MASS ELECTRIC CO. FUND	058540	23.28	.00	.00	23.28	.00	K12 A
WESTERN MASS ELEC CO-WOODBURY	058541	796.11	.00	.00	181.26	614.85	J27 A
WESTFIELD RIVER PAPER COMPANY	058550	31.29	.00	.00	31.29	.00	WW1 A
WHITE RESEARCH/TWF	058601	.00	3,478.34	.00	725.09	2,753.25	K71 A
XEROX/STEIN	058800	.00	5,000.00	.00	.00	5,000.00	J34 A
XEROX/VOGL	058801	.00	5,000.00	.00	3,670.32	1,329.68	S17 A
SECT-13 SPONSORED RESEARCH		213,163.57	332,073.22	2,458.78CR	297,405.33	245,372.68	

SECTION 14 U OF M SPONSORED RESEARCH

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
FACULTY RESEARCH GRANTS/AMHERST	023800	64,002.09	887.57	74,100.00	64,242.85	74,746.81	S26 A
SECT-14 U OF M SPONSORED RESEARCH		64,002.09	887.57	74,100.00	64,242.85	74,746.81	

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SECTION 15 NONPROFIT ORGANIZATIONS & FOUNDATIONS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
ACADEMY OF APPLIED SCIENCE/AMHERST	042802	208.63	.00	6,201.37	6,405.62	4.38	M13 A
AMERICAN CANCER SOCIETY P554	043003	.00	.00	53.91	53.91	.00	J22 A
AMERICAN CANCER SOCIETY- PARSONS	043005	1,715.15	.00	.00	1,631.76	83.39	J22 A
AMERICAN DIABETES ASSOCIATION INC	043010	838.00	.00	.00	.00	838.00	J21 A
AMERICAN PETROLEUM INSTITUTE 155	043100	509.11	.00	.00	.00	509.11	J36 A
ARTHRITIS FOUNDATION AMHERST	043106	113.60	.00	.00	68.16	45.44	K15 A
ANISA-HUMAN POTENTIAL	043120	84.76	122,214.75	23,654.73CR	98,644.78	.00	Q11 A
AVIAN DISEASES-GHS	043200	12,513.17	.00	.00	6,651.68	5,861.49	K71 A
BOSTON MARKET GARDEN SEED IMP	043500	889.09	4,000.00	.00	1,736.10	3,152.99	K73 A
BUREAU OF GOVERNMENT RESEARCH	043900	3,475.59	.00	845.00CR	2,612.19	18.40	J17 A
BUREAU FOR ED EVAL & RES (BEER)	043904	20,368.44	29,426.88	3,130.34	46,814.69	6,110.97	Q11 A
CAPITOL REGION EDUCATION COUNCIL	044400	.00	1,215.00	.00	1,155.48	59.52	Q11 A
CAPITOL REGION EDUCATION COUNCIL #1	044401	.00	.00	.00	.00	.00	Q11 A
CARNEGIE FUND	044600	1,163.81	.00	.00	.00	1,163.81	J14 A
CARNEGIE FUND-ALLEN	044601	9,976.32	34,800.00	.00	34,759.83	10,016.49	Q11 A
COMTECH/CLASS	045000	.00	.00	6,775.00	4,457.93	2,317.07	M11 A
COOP FISH PROJECT 3601-09-13	046100	6,245.63	47,591.00	.00	40,791.89	13,044.74	K11 A
COTTRELL- HIXON	046500	3,795.38	.00	.00	2,869.75	925.63	J34 A
COTTRELL/HALLOCK	046501	7,000.00	.00	.00	6,641.41	358.59	J38 A
COTTRELL/HUGUENIN/RESEARCH	046600	13,690.21	.00	.00	13,690.21	.00	J38 A
RESEARCH CORP COTTRELL MCGILL	046700	253.86	.00	.00	40.00	213.86	J36 A
COTTRELL-UDEN	046809	3,278.64	.00	.00	1,428.40	1,850.24	J34 A
DADE COUNTY SCHOOL/FLORIDA	046850	59.06	1,000.00	.00	1,059.06	.00	Q11 A
EARLY CHILDHOOD TRAINING PROGRAM	046860	.00	39,528.46	1,021.09	40,549.55	.00	Q11 A
ECONOMIC DEVELOPMENT SERVICES	047810	663.00	.00	.00	119.33	543.67	L16 A
DEPT. OF EDUCATION-JOHNSON	047851	180.76	.00	.00	.00	180.76	Q11 A
DEPT. OF EDUCATION-ROSSMAN	047855	135.57	.00	.57CR	135.00	.00	Q11 A
CLINICAL PROFESSOR - FLORIDA	048001	1,510.00	.00	.00	1,510.00	.00	Q11 A
EDUCATIONAL FACILITIES LAB INC	048005	9,390.42	.00	.00	9,389.61	.81	DD5 A
ESSO EDUCATION FOUNDATION	048200	2,987.51	.00	.00	.00	2,987.51	Q11 A
FALMOUTH LIVING FILTER STUDY	048260	.00	1,100.00	.00	482.56	617.44	E27 A
FEDERAL CITY DIST OF COLUMBIA	048300	27.46	.00	.00	27.46	.00	Q11 A
JOSEPH FELS FOUNDATION	048400	17.36	.00	.00	17.36	.00	Q11 A
FRANKLIN COUNTY PUBLIC HOSPITAL	048602	23.91	.00	.00	.00	23.91	J24 A
FRASCH FOUNDATION	048603	1.74	8,000.00	775.00CR	5,796.75	1,429.99	J22 A
FORD FOUNDATION HUMANISTIC EDUCATION	048605	20,872.96	22,855.00	.00	37,767.85	5,960.11	Q11 A
FORD FOUNDATION 700-143B	048608	31,935.08	320,500.00	.00	341,688.22	10,746.86	Q11 A
HERMAN FRASCH FOUNDATION #2	048620	.00	10,000.00	.00	9,484.49	515.51	J22 A
GITTLESON FOUNDATION GRANT	049050	2,861.60	.00	.00	118.78	2,742.82	S16 A
GLYCERINE PRODUCERS ASSOCIATION	049100	1,750.67	3,378.00	.74CR	5,127.93	.00	K13 A
GRADUATE COMMUNITY HEALTH NURSING	049101	1,875.00	.00	.00	1,836.94	38.06	O11 A

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ACCOUNT NAME	ACCOUNT CODE CONTINUED	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
GRANT FOUNDATION, INC	049102	.00	76,000.00	44.42CR	1,903.13	74,052.45	J21 A
GRAYSON FOUNDATION	049200	171.01	.00	171.01CR	.00	.00	K15 A
GULF OIL	049300	1,468.07	.00	.00	245.36	1,222.71	K09 A
GULF OIL FOUNDATION	049301	4,239.01	.00	.00	1,838.81	2,400.20	J34 A
GULF OIL CORP FOUNDATION-HAYES	049302	2,500.00	.00	.00	2,500.00	.00	J36 A
HANDICAPPED PERSON'S CART PROGRAM	049400	.00	95.00	.00	73.98	21.02	V11 A
JOHN W HILL FOUNDATION	049600	6.42	.00	.11CR	6.31	.00	K13 A
HOLYOKE PLANNING BOARD	049903	254.89	2,123.76	490.00CR	1,888.65	.00	J35 A
HUMAN RESOURCES CORP	049910	.00	.00	.00	.00	.00	Q11 A
ILLINOIS ARCHAEOLOGICAL SURVEY	050102	3,380.98	91.20	.00	3,472.18	.00	J27 A
INST FOR MAN & HIS ENVIRONMENT	050103	.00	3,558.00	.00	3,548.33	9.67	J24 A
INDIANA UNIVERSITY/YALE	050255	.00	.00	.00	.00	.00	J14 A
INTEGRATED DAY CONSORTIUM	050300	13,215.20	4,506.30	1,040.61CR	16,680.89	.00	Q11 A
INTERSTATE STAFF DEV.-WORKSHOP	050301	.00	6,750.00	805.00	7,499.95	55.05	Q11 A
INTERSTATE STAFF DEVELOPMENT	050302	.00	42,707.60	1,040.61	41,955.76	1,792.45	Q11 A
JET PROPULSION LABORATORY	050410	1,686.25	8,292.50	4,660.45CR	5,318.30	.00	J36 A
KELLOGG FOUND.-TEACHER IMPROVEMENT	050505	.00	156,000.00	.00	118,609.57	37,390.43	Q11 A
CAROL BUTTENWIESER LOEB	051001	70.54	.00	.00	.00	70.54	T15 A
LOWELL TECH INST RESEARCH FOUND	051004	34.54	21,038.78	13,460.00CR	6,411.87	1,201.45	M13 A
LOWELL MODEL CITIES	051005	188.01	.00	.00	188.00	.01	Q11 A
LOWER PIONEER VALLEY REGIONAL	051101	3,350.40	.00	.00	612.80	2,737.60	L16 A
MARKLE FOUNDATION	051103	.00	45,664.80	3,243.00CR	33,906.24	8,515.56	J14 A
EVALUATION OF ADULT BASIC ED. PROG.	051104	437.46	.00	.00	437.46	.00	Q11 A
MASS. FLOWER GROWERS RESEARCH FUND	051105	838.15	625.00	.00	545.60	917.55	K73 A
MA ADM & FIN/PERS & STAN/CHEVAN	051107	16.60	7,300.00	1,116.68	8,118.22	315.06	J24 A
MA ADM & FIN/PERS & STAN/EVE	051108	795.44	47,128.38	51,317.05	99,190.93	49.94	Q11 A
MA ADM & FIN/PERS & STAN/KRIMSKY	051109	.00	10,400.00	1,800.00	12,200.00	.00	U12 A
MA EXEC OFF OF ENVIR AFFAIRS/ZUBE #1	051110	.00	21,650.00	.00	21,650.00	.00	E27 A
MASS BOARD OF HIGHER EDUCATION/ALLEN	051111	.00	16,866.00	.00	13,930.04	2,935.96	Q11 A
MASS/PARKER RIVER ALEWIFE STUDY	051113	.00	7,250.00	1,000.00	8,010.99	239.01	K11 A
AMERICAN INDIAN THEATRE ENSEMBLE	051115	.00	1,000.00	.00	1,000.00	.00	E19 A
UPWARD BOUND	051117	.00	3,600.00	.00	3,599.96	.04	E20 A
MA EXEC OFF OF ENVIR AFFAIRS/ZUBE #2	051119	.00	2,500.00	.00	2,500.00	.00	E27 A
MA EXEC OFF OF ENVIR AFFAIRS/ZUBE #3	051122	.00	.00	1,400.00	1,396.03	3.97	E27 A
DEPT OF P H/STATE LEVEL COMP PLAN	051123	.00	.00	1,600.00	1,550.00	50.00	J24 A
MA PUB WELFARE/PRESCHOOL INTERVENT	051125	.00	.00	1,700.00	1,552.87	147.13	J21 A
MA SCIENCE & TECH FOUND/RED TIDE	051126	.00	10,000.00	.00	498.92	9,501.08	S19 A
MA MENTAL HEALTH/TUTHILL	051127	.00	.00	.00	.00	.00	WW1 A
MA DEPT OF COMMUNITY AFFAIRS	051129	.00	.00	.00	.00	.00	K43 A
MASS MERCHANDISING	051200	2,202.55	2.43	.00	295.83	1,909.15	L15 A
MASS OCCUPATIONAL ED	051201	5,030.04	162,241.70	.00	155,191.43	12,080.31	Q11 A

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ACCOUNT NAME	ACCOUNT CODE CONTINUED	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
MASS SOC PROMOTING AGR WALTHAM	051203	95.50	.00	.00	86.85	8.65	K73 A
MASS TB & RESPIRATORY DISEASE LEAGUE	051302	1,438.00	.00	165.54CR	1,119.89	152.57	K15 A
MASS DEPT OF MENTAL HEALTH	051370	25.86	.00	25.86CR	.00	.00	J21 A
MASS DEPT OF MENTAL HEALTH #2/GOLANN	051371	.00	10,800.00	2,000.00	12,701.87	98.13	J21 A
MASS DEPT OF YOUTH SERVICES #2	051400	.00	28,040.70	40,660.00	67,787.63	913.07	Q11 A
DISTRIBUTIVE ED CONF 1973	051420	.00	11,140.00	4,000.00	10,137.56	5,002.44	Q11 A
DISTRIBUTIVE ED CURRICULUM GUIDE 73	051421	.00	4,100.00	.00	1,000.00	3,100.00	Q11 A
MASS DEPT OF MENTAL HEALTH #3/CAREW	051422	.00	8,000.00	2,400.00	8,954.95	1,445.05	Q11 A
MASS DEPT OF YOUTH SERVICES	051430	.00	15,000.00	12,457.70CR	1,327.03	1,215.27	Q11 A
MASS DEPT OF EDUCATION/ERTEL #1	051431	12,915.46	64,117.60	12,000.00	61,032.89	28,000.17	Q11 A
MASS DEPT OF EDUCATION/ERTEL #2	051432	19,373.59	112,646.27	.00	118,778.31	13,241.55	Q11 A
ANALYZE LEA BOOKLET SURVEY	051433	.00	14,800.00	.00	398.73	14,401.27	Q11 A
DISTRIBUTIVE ED CONF 1971	051440	218.22	14.00	.00	209.88	22.34	Q11 A
DISTRIBUTIVE ED CONF 1972	051441	341.77	5,990.00	5,575.00CR	756.70	.07	Q11 A
MA WATER POLLUTION/NUTRIENT REMOVAL	051450	55.69	31,759.94	500.00	32,315.63	.00	M13 A
MA WATER POLLUTION/WATERCRAF EXHAUST	051451	2,668.50	19,050.00	1,400.00CR	20,318.50	.00	M13 A
MA WATER POLLUTION/BOTTOM DEPOSITS	051452	64.77	61,204.85	9,599.99CR	51,669.63	.00	M13 A
MA WATER POLLUTION/PLANT INVESTIGATE	051453	.00	.00	.00	.00	.00	M13 A
MA WATER POLLUTION/HEAVY METALS	051454	.00	.00	.00	.00	.00	M13 A
MA WATER POLLUTION/SLUDGE HANDLING	051455	.00	.00	.00	.00	.00	M13 A
MASS NURSERYMENS	051500	33.94	.00	.00	.00	33.94	K09 A
MEDICAL FOUNDATION INC	051502	1,396.29	.00	.00	1,358.44	37.85	J24 A
MEDICAL CARE RESEARCH	051504	85.70	.00	.00	71.53	14.17	J24 A
MERCK COMPANY	051505	2,507.73	.00	.00	140.79	2,366.94	J34 A
MASS INSTITUTE OF TECHNOLOGY	051506	.00	.00	624.96	624.96	.00	M14 A
MASS WATER RESOURCES COMM-MCCANN	051511	233.99	.00	.12CR	233.87	.00	S14 A
CHARLES E MERRILL	051650	17,520.46	.00	.00	1,442.63	16,077.83	J17 A
MORSE FOUNDATION	052103	.00	1,000.00	.00	118.80	881.20	L12 A
NEW ENGLAND AQUARIUM-SEARS/AMHERST	052280	70.15	.00	70.15CR	.00	.00	S19 A
N E CENTER FOR CONTINUING EDUCATION	052281	.00	25,592.00	5,785.64	31,377.64	.00	Q11 A
NATURAL RESOURCES	052300	1,584.24	1,900.76	100.00CR	1,903.15	1,481.85	K11 A
NEW ENGLAND COMMISSION ZAHRADNIK	052307	3.79	2,400.00	1,711.33CR	692.46	.00	K04 A
N E REGIONAL COMMISSION/RHODES	052308	2,824.98	.00	667.63	3,492.61	.00	K66 A
N E RESEARCH INC #1/ZAJICEK	052310	917.09	1,709.95	2,500.00CR	.00	127.04	J34 A
N E RESEARCH INC #2/ZAJICEK	052312	.00	4,926.44	1,644.00CR	3,282.44	.00	J34 A
N E RESEARCH INC #3/LITSKY	052313	.00	2,736.00	66.00CR	2,668.48	1.52	K13 A
N E RESEARCH INC #4/ZAJICEK	052314	.00	1,189.34	1,144.12	1,771.60	561.86	J34 A
NEW YORK SCHOOL OF PSYCHIATRY	052405	204.62	999.00	.00	1,203.62	.00	Q11 A
STATE OF NEW YORK-JOHNSON	052410	87.20	67,800.00	20,700.00CR	41,276.00	5,911.20	Q11 A
OCEAN ENGINEERING RESEARCH PROJECT	052415	.00	3,000.00	.00	1,300.00	1,700.00	M14 A
P A C E INC	052420	.00	10,000.00	.00	2,593.30	7,406.70	K12 A

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PITTSFIELD ANTI-TUBERCULOSIS	052903	14,777.69	.00	.00	2,638.87	12,138.82	J32 A
POPULATION COUNCIL	053002	734.29	.00	8.59	742.88	.00	K15 A
POPULATION COUNCIL-DRIVER	053003	488.08	.00	.00	460.35	27.73	J24 A
POPULATION COUNCIL/DUBY	053005	.00	9,606.00	711.00CR	3,335.14	5,559.86	K15 A
POPULATION COUNCIL/HOWE	053006	.00	9,200.00	680.00CR	3,985.31	4,534.69	K15 A
PRF AMERICAN CHEMICAL	053100	2,178.31	.00	4,214.80	4,243.96	2,149.15	J34 A
PRF 575 A5	053500	1,727.29	.00	.00	1,727.29	.00	J34 A
PRF 2055-G3-AMHERST	054352	3,030.35	1,509.60	.00	3,946.25	593.70	J34 A
PRF 2121 G1-AMHERST	054360	4,126.10	.00	.00	1,387.66	2,738.44	J34 A
PRF 2865 A5	054400	5.80	.00	5.80CR	.00	.00	J34 A
PRF 3357 A1,3	054803	2,563.03	.00	302.81CR	2,260.22	.00	J34 A
PRF 3551 A1,4	054804	4,182.11	6,000.00	1,000.00CR	6,816.54	2,365.57	J34 A
PRF 3556 A3	054810	207.63	.00	.00	207.63	.00	J34 A
PRF 4362 AC5	054812	1,106.58	.00	.00	1,106.58	.00	S17 A
PRF 4943 AC-3.4 AMHERST	054815	830.46	.00	.00	830.46	.00	J34 A
PRF 5129 AC1 AMHERST	054816	5,781.96	7,640.00	1,274.00CR	2,638.67	9,509.29	J34 A
PRF 5399 AC3	054817	4,520.82	10,000.00	1,666.00CR	6,478.25	6,376.57	J34 A
PRF 5597 AC3,4	054818	1,813.36	12,566.00	2,077.00CR	9,535.77	2,766.59	J34 A
PRF 3357 AC3	054819	.00	6,800.00	197.19CR	2,378.05	4,224.76	J34 A
PRF 6112 AC6	054820	.00	8,400.00	1,400.00CR	1,864.93	5,135.07	J34 A
PRF 6399 AC6	054821	.00	10,000.00	500.00CR	.00	9,500.00	S17 A
PRF 7237-AC2	054822	.00	.00	.00	.00	.00	J36 A
RESEARCH FOUNDATION N Y FUND	055610	89.47	.00	.00	.00	89.47	K73 A
RESEARCH SERVICE AGRICULTURE	055700	137.17	.00	.00	51.18	85.99	K01 A
ROCKEFELLER FOUNDATION (RF 73041)	055800	.00	.00	.00	.00	.00	Q11 A
SCOTTISH RITE SCHIZOPHRENIA	056410	176.58	11.00	.00	187.58	.00	J21 A
SHELL CRANBERRY	057200	246.66	.00	.00	7.20	239.46	K60 A
ALFRED P SLOAN BR 973-2	057401	406.33	318.00	.00	161.60	562.73	J38 A
ALFRED P SLOAN BR993	057403	1,897.90	.00	.00	1,096.44	801.46	J34 A
ALFRED P SLOAN BR 1435	057409	.00	21,835.00	1,185.00CR	489.14	20,160.86	J38 A
SPENCER FOUNDATION	057410	17,110.07	26,054.60	.00	27,937.08	15,227.59	J21 A
STEARNS	057800	1,960.45	22.34	.00	1,594.23	388.56	K12 A
SOCIETY FOR MANUFACTURING ENGINEERS	057801	.00	9,997.88	.00	9,906.38	91.50	M14 A
TRI-STATE REGIONAL MED PROGRAM/AMH	057855	.00	.00	4,545.36	4,545.36	.00	V11 A
UNION FOR EXPERIMENTING COLLEGES	058190	1,595.21	530.00CR	25.00CR	1,040.21	.00	Q11 A
UNIVERSITY WITHOUT WALLS	058191	3.06	9,530.00	4,852.14CR	4,280.16	400.76	Q11 A
UNIV OF THE STATE OF NEW YORK	058202	51.73	6.53	58.26CR	.00	.00	Q11 A
UNIV OF THE STATE OF NEW YORK/GORTH	058203	.00	.00	.00	.00	.00	Q11 A
TITLE 1 CONSORTIUM	058205	23.11	.00	100.00CR	76.89CR	.00	J17 A
U/CONN. NO. 5171-0102-090-S7	058206	22,245.48	.00	.00	3,275.24	18,970.24	K03 A
UNIV OF BRIDGEPORT TRUST FUND	058208	258.81	190.80	.00	449.61	.00	F35 A

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URBAN VEHICLE DESIGN GROUP	058250	1,247.78	.00	.00	964.95	282.83	M14 A
WESTFIELD PUBLIC SCHOOLS	058255	.00	3,000.00	.00	2,760.62	239.38	Q11 A
WILDLIFE MANAGEMENT	058700	96.20	1,500.00	100.00	696.61	999.59	K11 A
WORCESTER SCHOOL DEPARTMENT/ROSSMAN	058701	52.22	22,369.00	4,700.00CR	16,822.31	898.91	Q11 A
WORCESTER SCHOOL DEPT/ROSSMAN (#2)	058702	.00	15,000.00	10,260.02	25,260.02	.00	Q11 A
SECT-15 NONPROFIT ORGANIZATIONS & FOUNDATIONS		360,636.68	2,003,944.14	42,736.64	1,946,075.30	461,242.16	

UNIVERSITY OF MASSACHUSETTS AT AMHERST
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SECTION 16 FEDERAL GRANTS AND CONTRACTS TRAINING

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
16/01 NATIONAL INSTITUTE HEALTH							
NIH MCT 000489-01-0	070121	.00	.00	.00	.00	.00	011 A
NIH HD 00204-05	070205	.00	611.17	21,215.80	21,826.97	.00	K15 A
NIH AH 00057-01	070311	.00	.00	2,416.95	2,416.95	.00	WW1 A
NIH AH 00057-02	070312	.00	263.50	25,384.33	25,647.83	.00	WW1 A
NIH AH 00057-03	070313	.00	.00	.00	.00	.00	WW1 A
NIH AH 00167-01	070321	.00	.00	11,764.24	11,764.24	.00	WW1 A
NIH AH 01016-01	070331	.00	.00	4,208.00	4,208.00	.00	WW1 A
NIH 44-P-05047-1-08	070502	.00	.00	3,856.06	3,856.06	.00	J25 A
NIH 44-P-05047/1-09	070503	.00	.00	21,815.53	21,815.53	.00	J25 A
NIH 44-P-05047/1-10	070504	.00	.00	.00	.00	.00	J25 A
NIH AH 00589-05	070609	.00	.00	17.89CR	17.89CR	.00	WW1 A
NIH AH 00589-05-B	070610	.00	.00	5,127.58	5,127.58	.00	N13 A
NIH AH 00172-01	070621	.00	.00	9,911.04	9,911.04	.00	WW1 A
NIH AH 00172-02	070622	.00	.00	.00	.00	.00	WW1 A
NIH NU 000131-03	070705	.00	12.00	10,005.62	10,017.62	.00	011 A
NIH NU 00131-04	070706	.00	.00	34,618.34	34,618.34	.00	011 A
NIH NU 00367-03	070904	.00	.00	.00	.00	.00	011 A
NIH NU 00367-04	070905	.00	.00	15,031.47	15,031.47	.00	011 A
NIH NU 00367-05	070906	.00	.00	9,424.82	9,424.82	.00	011 A
NIH NU 00591-01	070911	.00	.00	46,517.98	46,517.98	.00	011 A
NIH NU 00591-02	070912	.00	.00	.00	.00	.00	011 A
NIH NU 00592-01	070921	.00	.00	2,444.04	2,444.04	.00	011 A
NIH NU 00592-02	070922	.00	.00	.00	.00	.00	011 A
NIH AH 00654-05	071005	.00	.00	3,641.53	3,641.53	.00	WW1 A
NIH AH 00655-04	071104	.00	243.44	7,680.85	7,924.29	.00	M13 A
NIH AH 00655-05	071105	.00	.00	10,419.84	10,419.84	.00	M13 A
NIH MH 06244-17	072709	.00	.00	10,720.55	10,720.55	.00	J21 A
NIH MH 06244-18	072710	.00	40.00	80,600.70	80,640.70	.00	J21 A
NIH MH 06244-19	072711	.00	.00	.00	.00	.00	J21 A
NIH MH 06400-16	072909	.00	.00	3,679.19	3,679.19	.00	011 A
NIH MH 06400-17	072910	.00	.00	22,186.87	22,186.87	.00	011 A
NIH MH 06400-18	072911	.00	.00	.00	.00	.00	011 A
NIH MH 11823-02	073302	.00	.00	.00	.00	.00	J21 A
NIH MH 11823-03	073303	.00	.00	7,203.92	7,203.92	.00	J21 A
NIH MH 11823-04	073304	.00	132.00	33,529.51	33,661.51	.00	J21 A
NIH MH 11823-05	073305	.00	.00	.00	.00	.00	J21 A
NIH MH 12537-01	073401	.00	.00	4,281.12	4,281.12	.00	011 A
NIH MH 12537-02	073402	.00	.00	46,297.51	46,297.51	.00	011 A
NIH MH 12537-03	073403	.00	.00	.00	.00	.00	011 A
NIH MH 13542-01	073413	.00	.00	.00	.00	.00	V14 A
NIH MH 13492-01	073441	.00	.00	.00	.00	.00	Q11 A

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SECTION 16 FEDERAL GRANTS AND CONTRACTS TRAINING CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
16/01 NATIONAL INSTITUTE HEALTH	CONTINUED						
NIH AH 50110-01	073901	.00	3.50	15,796.78	15,800.28	.00	WW1 A
NIH AH 50110-02	073902	.00	.00	.00	.00	.00	WW1 A
NIH AH 50616-01	074001	.00	.00	1,903.67	1,903.67	.00	WW1 A
NIH AH 50616-02	074002	.00	.00	.00	.00	.00	WW1 A
NIH AH 50617-01	074011	.00	.00	4,219.34	4,219.34	.00	WW1 A
NIH AH 50617-02	074012	.00	.00	.00	.00	.00	WW1 A
NIH AH 50618-01	074021	.00	204.75	20,506.30	20,711.05	.00	WW1 A
NIH AH 50618-02	074022	.00	.00	.00	.00	.00	WW1 A
NIH AH 00743-05	074405	.00	.00	10,540.59	10,540.59	.00	M13 A
NIH AP 00069-02	075202	.00	82.92	15,242.10	15,325.02	.00	M13 A
NIH EPA T 900217	075203	.00	20.00	57,079.41	57,099.35	.06	M13 A
NIH AI 00226-10	075910	.00	.00	3,070.95	3,070.95	.00	J39 A
NIH AI 00226-11	075911	.00	.00	33,734.60	33,734.60	.00	J39 A
NIH AI 00226-12	075912	.00	.00	.00	.00	.00	J39 A
NIH GM 02168-01	077601	.00	143.00	3,288.58	3,431.58	.00	J32 A
NIH GM 02168-02	077602	.00	.00	45,862.31	45,862.31	.00	J32 A
NIH GM 02168-03	077603	.00	.00	.00	.00	.00	J32 A
16/01 NATIONAL INSTITUTE HEALTH	TOTALS	.00	1,756.28	665,210.13	666,966.35	.06	
16/02 NATIONAL SCIENCE FOUNDATION							
NSF GZ 1920	086801	.00	.00	636.27	636.27	.00	J37 A
NSF GZ 2027	086803	.00	.00	9,491.49	9,491.49	.00	S11 A
NSF GZ 2388	086910	.00	.00	25,076.79	25,076.79	.00	S11 A
NSF GZ 2715	086911	.00	.00	.00	.00	.00	S11 A
NSF GY 8343	088516	.00	.00	166.41CR	166.41CR	.00	S17 A
NSF GW 8360	088517	.00	.00	9,525.08	9,525.08	.00	Q11 A
NSF GY 8966	089291	.00	.00	.00	.00	.00	J38 A
NSF GY 9598	089616	.00	.00	5,775.39	5,775.39	.00	K11 A
NSF GY 9660	089617	.00	221.39	10,142.24	10,363.63	.00	M14 A
NSF GY 9945	089618	.00	.00	9,600.75	9,600.75	.00	M14 A
NSF GY 10552	089620	.00	.00	5,625.00	5,625.00	.00	J36 A
NSF GY 10594	089621	.00	.00	4,379.05	4,379.05	.00	M14 A
16/02 NATIONAL SCIENCE FOUNDATION	TOTALS	.00	221.39	80,085.65	80,307.04	.00	
16/03 OTHER AGENCIES							
ACTION 72-42015	060320	342.66	11,840.21	11,152.73CR	1,030.14	.00	K01 A
ACTION P.O. 083-0783	060321	.00	.00	300.00	162.50	137.50	K15 A

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SECTION 16 FEDERAL GRANTS AND CONTRACTS TRAINING CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
16/03 OTHER AGENCIES	CONTINUED						
NEH-ES-5990-72-118	061706	5,407.60	15,000.00	6,222.99CR	13,546.46	638.15	Q11 A
NEH FS 9488-73-331	061710	.00	.00	9,258.09	9,258.09	.00	J14 A
AF-F33601-72-C-0063	062301	146.42	1,899.72	1,668.23CR	377.91	.00	S17 A
DAHC 20-72-C-0138	C63513	312.21	16,866.75	1,470.60	18,649.56	.00	K01 A
DAHC 20-73-C-0086	063515	.00	37,807.94	15,490.66	53,264.28	34.32	K01 A
DAAG-46-72-C-0076	064104	.00	24,960.09	9,048.75CR	15,752.13	159.21	S17 A
AEC AT (11-1) 2261	065008	.00	5,277.32	20.58	5,297.90	.00	M11 A
USDC ABLE 2-37251	065951	.00	90,000.00	56,476.86CR	33,523.14	.00	L11 A
USDC ABLE 2-37251/ATLANTA	065952	.00	.00	24,379.60	24,379.60	.00	L11 A
USDC ABLE 2-37251/HOWARD	C65953	.00	.00	31,764.00	31,764.00	.00	L11 A
USDC ABLE 2-37251/NEW YORK UNIV	065954	.00	.00	26,757.65	26,757.65	.00	L11 A
USDC ABLE 2-37251/SYRACUSE	065955	.00	.00	32,170.00	32,170.00	.00	L11 A
USDC ABLE 2-37251/UNIV OF MASS	065956	.00	.00	6,493.15	6,493.15	.00	L11 A
USDC ABLE 3-37044	065960	.00	.00	.00	.00	.00	L11 A
NASA-NSG-T-137	066200	.00	.00	.00	.00	.00	S11 A
PC 42-2008	C68511	.00	.00	.00	.00	.00	K01 A
MESPU WEST VIRGINIA	069215	.00	.00	.00	.00	.00	Q11 A
16/03 OTHER AGENCIES	TOTALS	6,208.89	203,652.03	63,534.77	272,426.51	969.18	
16/04 OFFICE OF EDUCATION							
OEG-0-70-4821	068225	.00	.00	.00	.00	.00	G11 A
OEG 0-70-4409 (725)	068226	.00	.00	17,213.45	17,213.45	.00	Q11 A
OEG 0-71-1060 (725)	068229	.00	.00	25,209.56	23,945.23	1,264.33	Q11 A
OEG 0-71-3484-(520)	068230	.00	.00	2,782.71	2,782.71	.00	Q11 A
OEG 0-71-4253	068234	.00	87.50	973.56	1,061.06	.00	E26 A
OEG 0-71-0548 (715)	068310	102,507.91	8,960.47	129,074.08	228,336.37	12,206.09	Q11 A
OEG H-9932	069101	.35	.00	.35CR	.00	.00	Q11 A
OEG H-1333-C/H-0	069102	.00	30,812.32	11,950.46CR	18,861.86	.00	Q11 A
OEG-0-9-31600B-2455-725	069213	.00	.00	13,184.60CR	13,184.60CR	.00	Q11 A
OEG 0-71-3073 (453)	069219	.00	12.25	3,113.69	3,125.94	.00	E20 A
OEG 0-71-1872(725)A	069221	.00	228.27	327,748.27	327,190.04	786.50	Q11 A
OEG 0-71-1872(725)B	C69222	.00	.00	1,648.56	1,648.56	.00	Q11 A
OEG 0-71-1090 (725)	069223	.00	.00	1,871.43	1,871.43	.00	Q11 A
OEG 0-71-1687-(603)	069224	.00	.00	.00	.00	.00	G11 A
OEG 0-71-4143 (603)	C69225	.00	.00	355.00	355.00	.00	G11 A
OEG 0-71-1825 (621)	069226	.00	119.84	37,718.74	37,838.58	.00	V11 A
OEG 0-72-0429 (603)	069227	.00	.00	7,606.40	7,606.40	.00	G11 A
OEG 0-71-1872-C	069228	.00	21.62	70,925.43	67,855.53	3,091.52	Q11 A
OEG 1-72-8024 (453)	C69229	.00	1,139.25	135,973.30	137,112.55	.00	E20 A

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ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
16/04 OFFICE OF EDUCATION	CONTINUED						
OEG 1-72-8005	069230	.00	.00	41,931.27	41,931.27	.00	E26 A
OEG 0-72-4824	069231	.00	30,000.00	316.04	26,791.42	3,524.62	Q11 A
OEG 1-72-1404	069233	.00	63,509.60	6,428.82	65,930.04	4,008.38	Q11 A
OEG 0-72-4062 (603) A	069234	.00	64.86	24,312.79	23,970.75	406.90	J25 A
OEG 0-72-4062 (603) B	069235	.00	.00	50,686.31	49,419.71	1,266.60	G11 A
OEG 0-71-1825-A	069238	.00	.00	.00	.00	.00	F39 A
OEG 0-72-4062-C	069239	.00	.00	.00	.00	.00	J25 A
OEG 0-72-4062-D	069240	.00	.00	.00	.00	.00	Q11 A
OEG 1-73-8048	069241	.00	.00	1,216.00	600.00	616.00	D23 A
OEG 0-71-1872-D	069243	.00	.00	.00	.00	.00	Q11 A
16/04 OFFICE OF EDUCATION	TOTALS	102,508.26	134,955.98	861,970.00	1,072,263.30	27,170.94	
16/05 DEPARTMENT OF INTERIOR							
WP-00012-01	065203	395.72	.00	.00	.00	395.72	K13 A
USDI IT2-WP-267-01	065851	6,982.49	.00	6,982.49CR	.00	.00	M13 A
USDI EPA 5PA WP 267-02	065852	6,757.46	.00	386.33	4,309.37	2,834.42	M13 A
EPA T 900179	065853	.00	53,717.30	3,198.49	44,683.05	12,232.74	M13 A
EPA-T-900217	065854	.00	.00	.00	.00	.00	M13 A
16/05 DEPARTMENT OF INTERIOR	TOTALS	14,135.67	53,717.30	3,397.67CR	48,992.42	15,462.88	
SECT-16 FEDERAL GRANTS AND CONTRACTS TRAINING		122,852.82	394,302.98	1,667,402.88	2,140,955.62	43,603.06	

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SECTION 17 FEDERAL GRANTS AND CONTRACTS-FACILITIES

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
NIH RC-461	065900	6,611.00	.00	.00	.00	6,611.00	X24 A
NIH RC-764	066100	8,965.00	.00	.00	.00	8,965.00	X24 A
SECT-17 FEDERAL GRANTS AND CONTRACTS-FACILITI		15,576.00	.00	.00	.00	15,576.00	

SECTION 18 FEDERAL GRANTS AND CONTRACTS EQUIPMENT

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
18/02 NATIONAL SCIENCE FOUNDATION							
NSF GY 7765	088425	.00	.00	.00	.00	.00	M14 A
NSF GY 7788	088427	.00	.00	3,193.18	3,193.18	.00	M15 A
NSF GY 8059	088502	.00	.00	.00	.00	.00	J34 A
NSF GY 10361	089802	.00	.00	6,798.00	6,798.00	.00	M13 A
NSF GY 10347	089806	.00	.00	10,022.27	10,022.27	.00	J32 A
NSF GP 28238	091711	.00	.00	.00	.00	.00	S17 A
NSF GK 29407	091719	.00	.00	5,440.60	5,440.60	.00	S17 A
NSF GK 38461	091806	.00	.00	.00	.00	.00	M15 A
18/02 NATIONAL SCIENCE FOUNDATION	TOTALS	.00	.00	25,454.05	25,454.05	.00	
18/04 OFFICE OF EDUCATION							
OEG 0-71-8753-(343)	068232	482.01	6,346.00	5,600.00CR	1,228.01	.00	AA6 A
OEG 0-72-6200	068512	.00	.00	19,085.84	19,085.84	.00	G11 A
OEG 0-73-0316 (343)	068514	.00	.00	.00	.00	.00	AA6 A
18/04 OFFICE OF EDUCATION	TOTALS	482.01	6,346.00	13,485.84	20,313.85	.00	
SECT-18 FEDERAL GRANTS AND CONTRACTS EQUIPMEN		482.01	6,346.00	38,939.89	45,767.90	.00	

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SECTION 19 FEDERAL GRANTS CONTRACTS OTHER PURPOSES

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
DJ LEAA "QUE TAL, AMIGOS"	060203	.00	10,000.00	.00	190.65	9,809.35	AA6 A
ACTION 72-47004/2	060303	5,887.60	40,554.25	2,863.20CR	35,886.62	7,692.03	E24 A
ACTION 73-47004A/3	060305	.00	43,253.80	2,552.76CR	40,701.04	.00	E24 A
ACTION 73-047-0004A/3	060307	.00	40,205.00	308.70CR	39,029.73	866.57	E24 A
DL MANPOWER ADMINISTRATION	060402	.00	.00	.00	.00	.00	Q11 A
COM 11-1-0525-00 0	060403	.00	.00	.00	.00	.00	Q11 A
AID AFR 437	060900	25,000.00	20,212.91	45,184.70CR	28.21	.00	K21 A
UNIFE PROJECT	061000	20,147.67	34,123.29	8,586.34CR	30,878.35	14,806.27	E16 A
AID/LA 699-ECUADOR	061100	1,260.78	109,927.87	11,068.70CR	100,119.95	.00	Q11 A
AID AFR 281 U	061300	9,370.86	1,599.79	34,924.75	26,693.96	19,201.44	Q11 A
NEAH NEA A71-0-369	061705	.00	1,000.00	.00	1,000.00	.00	E19 A
OE 77-002221 (FY72) (EOI)	061911	.00	79.20	79.20CR	.00	.00	F26 A
OE 77-002221-EOI	061912	.00	9,451.20	284,517.30	293,968.50	.00	F26 A
OE 77-002221 (FY72) (EOF)	061921	.00	384.00	384.00CR	.00	.00	F26 A
OE 77-002221-EOF	061922	.00	11,755.25	246,470.00	255,965.00	2,260.25	F26 A
OE 77-002221 (FY72) (EOS)	061931	.00	460.80	460.80CR	.00	.00	F26 A
OE 77-002221-EOS	061932	.00	3,526.20	120,799.55	123,600.00	725.75	F26 A
OE 77-002221 (FY72) (EOT)	061941	.00	128.00	128.00CR	.00	.00	F26 A
OE 77-002221-EOT	061942	.00	692.00	54,770.00	55,070.00	392.00	F26 A
DA ARO D-31-124-73-G135	063707	.00	5,000.00	.00	.00	5,000.00	J34 A
DC OSTS 69-12-20-69100	065915	5,167.02	.00	5,167.02CR	.00	.00	M11 A
DC OSTS 69 12 20 69101	065916	.00	.00	.00	.00	.00	M11 A
DC OSTS 69 12 20 69102	065917	.00	.00	.00	.00	.00	M11 A
DC OSTS 69-12-20-69103	065918	.00	.00	.00	.00	.00	M11 A
DC OSTS 69 12 20 69106	065921	.00	.00	.00	.00	.00	K13 A
DC OSTS 69 12 20 69107 A	065922	.00	.00	.00	.00	.00	K04 A
DC OSTS 69-12-20-69202	065924	755.51	.00	755.51CR	.00	.00	M11 A
DC OSTS 69 12 20 69204 A	065926	629.42	.00	629.42CR	.00	.00	M11 A
DC OSTS 69 12 20	065927	.00	.00	.00	.00	.00	M11 A
DC BIC P O 1-20155	065950	20.00	.00	.00	20.00	.00	L15 A
OEC 0-70-4232 (508)	068308	837.44	8,344.60	6,944.60CR	2,193.80	43.64	Q11 A
MASS CMG-6	068801	.00	331,518.30	13,594.17	344,556.67	555.80	M17 A
19/02 NATIONAL SCIENCE FOUNDATION							
NSF IG 00044	083702	.00	.00	30,686.70	30,686.70	.00	M11 A
19/02 NATIONAL SCIENCE FOUNDATION	TOTALS	.00	.00	30,686.70	30,686.70	.00	
SECT-19 FEDERAL GRANTS CONTRACTS OTHER PURPOS		69,076.30	672,216.46	700,649.52	1,380,589.18	61,353.10	

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SECTION 20 FEDERAL GRANTS AND CONTRACTS-RESEARCH

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
20/01 NATIONAL INSTITUTE HEALTH							
NIH NE G-00-3-0139	070211	.00	.00	.00	.00	.00	J21 A
NIH PHS 86-67-175	070402	.00	1,684.87	1,684.87CR	.00	.00	J17 A
NIH 69-2132	070405	148.69	4,357.07	3,123.02CR	1,382.74	.00	K15 A
NIH HEW OS-70-154	070407	526.15	.00	.00	362.26	163.89	Q11 A
NIH CPA 70-127	070408	.00	3,461.40	3,432.84CR	28.56	.00	K73 A
NIH 71-2029	070409	.00	.00	.00	.00	.00	J24 A
NIH DE 03512/01	070410	.00	4,121.21	.00	4,120.51	.70	J32 A
NIH DE 03512-02	070411	.00	7,000.00	.00	3,514.39	3,485.61	J32 A
NIH HEW FDA 73-198	070421	.00	.00	.00	.00	.00	K10 A
NIH 10-P-57331-01-01	070511	.00	.00	7,399.53	7,399.53	.00	J24 A
NIH RR 07048-06	070805	.00	.00	.00	.00	.00	S11 A
NIH RR 07048-07	070806	.00	19.20	56,811.51	56,830.71	.00	S11 A
NIH RR 07048-08	070807	.00	.00	245.20	245.20	.00	S11 A
NIH MH 01293-16	071909	.00	242.25	12,355.19	12,597.44	.00	J21 A
NIH MH 01293-17	071910	.00	.00	29,519.01	29,519.01	.00	J21 A
NIH HD 04924-10	072510	.00	.00	3.30	3.30	.00	J39 A
NIH HD 04189-04	072604	.00	210.00	5,318.50	5,528.50	.00	K15 A
NIH HD 04319-02	072802	.00	17.28	221.85	239.13	.00	J21 A
NIH HD 05432-01	073101	.00	.00	12,306.40	12,306.40	.00	J21 A
NIH HD 05432-02	073102	.00	.00	1,714.46	1,714.46	.00	J21 A
NIH HD 06457-01	073111	.00	.00	7,676.28	7,676.28	.00	J21 A
NIH HD 06604-01	073121	.00	129.40	15,688.66	15,818.06	.00	J17 A
NIH HD 05325-02	073202	.00	.00	34,451.01	34,451.01	.00	WW1 A
NIH HD 05724-01	073211	.00	.00	858.12	858.12	.00	J22 A
NIH HD 05724-02	073212	.00	150.00	26,879.55	27,029.55	.00	J22 A
NIH HD 05724-03	073213	.00	.00	5,647.96	5,647.96	.00	J22 A
NIH HD 06753-01	073511	.00	.00	26,634.99	26,634.99	.00	J21 A
NIH HD 06753-02	073512	.00	.00	3,257.90	3,257.90	.00	J21 A
NIH HD 06788-01	073701	.00	.00	15,112.31	15,112.31	.00	K15 A
NIH HD 06788-02	073702	.00	.00	2,153.46	2,153.46	.00	K15 A
NIH HD 07033-01	073721	.00	56.95	23,002.42	23,059.37	.00	K07 A
NIH HD 07397-01	073801	.00	.00	2,960.68	2,960.68	.00	E27 A
NIH MH 17395-03	074203	.00	65.60	7,693.90	7,759.50	.00	J21 A
NIH MH 20268-01	074711	.00	.00	178.38	178.38	.00	J21 A
NIH MH 20567-01	074721	.00	.00	580.00	580.00	.00	J21 A
NIH MH 20169-01	074731	.00	.00	5,563.01	5,563.01	.00	J21 A
NIH MH 20169-02	074732	.00	.00	11,921.90	11,921.90	.00	J21 A
NIH MH 22204-01	074741	.00	15.00	4,791.24	4,806.24	.00	J21 A
NIH MH 22399-01	074751	.00	.00	4,455.98	4,455.98	.00	J21 A
NIH MH 22720-01	074761	.00	.00	8,584.40	8,584.40	.00	J21 A
NIH HD 23551-01	074801	.00	.00	19,397.23	19,397.23	.00	J27 A

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SECTION 20 FEDERAL GRANTS AND CONTRACTS-RESEARCH CONTINUED

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20/01 NATIONAL INSTITUTE HEALTH	CONTINUED						
NIH MH 23886-01	074811	.00	.00	.00	.00	.00	J21 A
NIH MH 23939-01	074901	.00	.00	11,058.82	11,058.82	.00	J21 A
NIH MH 24290-01	074911	.00	.00	759.48	759.48	.00	J21 A
NIH AP 00791-03	075603	.00	.00	7,873.05	7,873.05	.00	M12 A
NIH FD 00282-02	076105	.00	.00	1,905.36	1,905.36	.00	K09 A
NIH FD 00282-03	076106	.00	.00	17,465.57	17,465.57	.00	K09 A
NIH EPA R-800439	076203	.00	.00	2,318.37	2,318.37	.00	K60 A
NIH FD 00053-08	076909	.00	.00	10,742.80	10,742.80	.00	K10 A
NIH FD 00087-06	077006	.00	.00	3.31	3.31	.00	K15 A
NIH HS 00709-11	077021	.00	.00	3,449.96	3,449.96	.00	M16 A
NIH HS 00709-02	077022	.00	.00	55,486.13	55,486.13	.00	M16 A
NIH HS 00709-03	077023	.00	.00	.00	.00	.00	M16 A
NIH AI 00742-17	077108	.00	.00	.00	.00	.00	J39 A
NIH AI 00742-18	077109	.00	.00	38,007.71	38,007.71	.00	J39 A
NIH AI 00742-19	077110	.00	.00	3,559.58	3,559.58	.00	J39 A
NIH FD 00153-06	077205	.00	.00	136.32	136.32	.00	K10 A
NIH FD 00153-07	077206	.00	.00	8,173.09	8,173.09	.00	K10 A
NIH ES 00804-01	077401	.00	.00	21,449.71	21,449.71	.00	J32 A
NIH ES 00804-02	077402	.00	.00	3,632.36	3,632.37	.01CR	J32 A
NIH AP 01301-01	077501	.00	.00	34.98	34.98	.00	N14 A
NIH EPA R-800653	077502	.00	.00	24,222.05	24,222.05	.00	M14 A
NIH AP 01376-01	077701	.00	.00	3,977.86	3,977.86	.00	K73 A
NIH AP 01443-01	077801	.00	.00	513.28	513.28	.00	M12 A
NIH EPA R 801392	077802	.00	.00	22,507.90	22,507.90	.00	M12 A
NIH EPA R-802101	077811	.00	.00	.00	.00	.00	K73 A
NIH LM 01658-01	077901	.00	.00	7,782.95	7,782.95	.00	J18 A
NIH LM 01658-02	077902	.00	.00	2,421.76	2,421.76	.00	J18 A
NIH NS 08119-13	079308	.00	.00	.00	.00	.00	J39 A
NIH NS 08119-14	079309	.00	.00	24,445.37	24,445.37	.00	J39 A
NIH NS 08119-15	079310	.00	.00	4,932.43	4,932.43	.00	J39 A
NIH NS 08306-03	079403	.00	.00	1,378.90	1,378.90	.00	M15 A
NIH NS 08306-04	079404	.00	.00	24,950.76	24,950.76	.00	M15 A
NIH NS 08306-05	079405	.00	.00	4,374.55	4,374.55	.00	M15 A
NIH AI 06153-08	079508	.00	.00	279.96	279.96	.00	J39 A
NIH AI 06153-09	079509	.00	.00	21,931.30	21,931.30	.00	J39 A
NIH AI 06153-10	079510	.00	.00	4,914.69	4,914.69	.00	J39 A
NIH AI 06848-06	080805	.00	.00	373.64	373.64	.00	J32 A
NIH AI 06848-07	080806	.00	.00	13,331.27	13,331.27	.00	J32 A
NIH AI 06848-08	080807	.00	.00	1,705.10	1,705.10	.00	J32 A
NIH AI 08248-05	081105	.00	.00	15,941.56	15,941.56	.00	J32 A
NIH AI 08248-06	081106	.00	.00	9,490.10	9,490.10	.00	J32 A

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20/01 NATIONAL INSTITUTE HEALTH	CONTINUED						
NIH AI 08396-04	081204	.00	.00	.00	.00	.00	K13 A
NIH AI 08396-05	081205	.00	.00	8,654.72	8,654.72	.00	K13 A
NIH AI 08491-03	081403	.00	.00	.00	.00	.00	J39 A
NIH AI 08491-04	081404	.00	.00	15,903.98	15,903.98	.00	J39 A
NIH AI 08491-05	081405	.00	.00	28,345.42	28,345.42	.00	J39 A
NIH NS 08869-03	081613	.00	.00	11,695.63	11,695.63	.00	J39 A
NIH GM 09706-07	081706	.00	.00	1,651.20	1,651.20	.00	J34 A
NIH GM 09706-08	081707	.00	.00	11,833.39	11,833.39	.00	J34 A
NIH NS 09755-02	081722	.00	.00	860.96	860.96	.00	S12 A
NIH NS 09755-03	081723	.00	.00	44,281.55	44,281.55	.00	S12 A
NIH NS 09755-04	081724	.00	.00	8,287.18	8,287.18	.00	S12 A
NIH NS 10873-01	081831	.00	.00	11,399.08	11,399.08	.00	J21 A
NIH AI 10982-01	081841	.00	.00	12,387.71	12,387.71	.00	J32 A
NIH AM 12163-04	081905	.00	.00	.00	.00	.00	J32 A
NIH AM 12163-05	081906	.00	.00	15,919.25	15,919.25	.00	J32 A
NIH AM 12163-06	081907	.00	.00	2,302.64	2,302.64	.00	J32 A
NIH AM 11157-05	082005	.00	.00	3,210.01	3,210.01	.00	J22 A
NIH AM 11157-06	082006	.00	69.35	18,658.48	18,727.83	.00	J22 A
NIH AM 11157-07	082007	.00	.00	4,448.34	4,448.34	.00	J22 A
NIH GM 11071-09	082108	.00	.00	2,002.26	2,002.26	.00	J34 A
NIH GM 11071-10	082109	.00	342.00	29,896.31	30,238.31	.00	J34 A
NIH GM 11071-11	082110	.00	.00	6,773.36	6,773.36	.00	J34 A
NIH HE 12527-03	082303	.00	.00	272.33CR	272.33CR	.00	J34 A
NIH HE 12527-04	082304	.00	.00	14,024.04	14,024.04	.00	J34 A
NIH HL 12527-05	082305	.00	.00	8,599.13	8,599.13	.00	J34 A
NIH CA 12948-01	082311	.00	.00	18,664.84	18,664.84	.00	J32 A
NIH CA 12948-02	082312	.00	.00	8,236.67	8,236.67	.00	J32 A
NIH HE 13188-03	082413	5,234.36	.00	101.77CR	5,132.59	.00	S17 A
NIH HL 13188-04	082414	.00	.00	13,648.09	13,648.09	.00	S17 A
NIH CA 13272-01	082421	.00	.00	26,266.20	26,266.20	.00	K15 A
NIH CA 13272-02	082422	.00	.00	1,609.50	1,609.50	.00	K15 A
NIH HE 14270-01	082511	.00	.00	13,165.03	13,165.03	.00	J34 A
NIH HL 14270-02	082512	.00	.00	23,739.05	23,739.05	.00	J34 A
NIH CA 14674-01	082641	.00	.00	1,744.00	1,744.00	.00	K76 A
NIH AM 14779-01	082711	.00	.00	2,087.76	2,087.76	.00	J34 A
NIH AM 14779-02	082712	.00	.00	13,220.97	13,220.97	.00	J34 A
NIH AM 14779-03	082713	.00	.00	1,436.19	1,436.19	.00	J34 A
NIH GM 14945-06	082806	.00	.00	2,582.31	2,582.31	.00	J22 A
NIH GM 14945-07	082807	.00	.00	.00	.00	.00	J22 A
NIH AM 16325-01	083101	.00	.00	97.91	97.91	.00	J39 A
NIH GM 19351-01	083201	.00	.00	22,189.95	22,189.95	.00	J22 A

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20/01 NATIONAL INSTITUTE HEALTH	CONTINUED						
NIH GM 19351-02	083202	.00	.00	2,447.28	2,447.28	.00	J22 A
NIH GM 19848-01	083301	.00	.00	714.00	714.00	.00	J39 A
20/01 NATIONAL INSTITUTE HEALTH	TOTALS	5,909.20	21,941.58	1,133,285.92	1,157,486.51	3,650.19	
20/02 NATIONAL SCIENCE FOUNDATION							
NSF GZ 1759	086407	.00	.00	3,310.38	3,310.38	.00	M13 A
NSF GS 2103	086804	.00	.00	1,136.43	1,136.43	.00	J21 A
NSF GS 2746	087004	.00	.00	22,181.23	22,181.23	.00	J21 A
NSF GZ 2817	087010	.00	.00	1,900.00	1,900.00	.00	M14 A
NSF GK 2982	087205	.00	.00	2,149.21	2,149.21	.00	M12 A
NSF GU 4041	087707	.00	31.91	136,390.23	136,422.14	.00	J21 A
NSF GY 4709	087901	.00	.00	6.15	6.15	.00	M14 A
NSF GK 5569	088110	.00	.00	286.00	286.00	.00	M14 A
NSF GB 7996	088503	.00	.00	1,960.88	1,960.88	.00	J33 A
NSF GP 8205	088509	.00	.00	250.28	250.28	.00	J33 A
NSF GP 10925	089803	.00	76.20	5,557.44	5,633.64	.00	J38 A
NSF GP 10152	089805	.00	.00	2,756.33	2,756.33	.00	J34 A
NSF GP 11580	089905	.00	.00	29.50	29.50	.00	J37 A
NSF GB 13903	089910	.00	834.01	5,539.28	6,373.29	.00	J33 A
NSF GP 12090	089912	.00	.00	4,243.41	4,243.41	.00	J37 A
NSF GB 13806	089924	.00	.00	7.55	7.55	.00	J33 A
NSF GB 13842	089926	.00	.00	5,930.34	5,930.34	.00	J33 A
NSF GP 14110	089927	.00	.00	17,708.42	17,708.42	.00	J34 A
NSF GP 14606	089930	.00	.00	11,377.66	11,377.66	.00	J34 A
NSF GP 14690	090000	.00	.00	14,668.39	14,668.39	.00	J38 A
NSF GP 15282	090020	.00	.00	45,276.51	45,276.51	.00	J38 A
NSF GB 15767	090021	.00	.00	13,786.03	13,786.03	.00	K73 A
NSF GP 15857	090023	.00	.00	5,163.09	5,163.09	.00	J38 A
NSF GP 15725	090024	.00	.00	16,785.68	16,785.68	.00	J38 A
NSF GP 16024	090030	.00	.00	10,819.42	10,819.42	.00	J38 A
NSF GP 16359	090055	.00	.00	3,952.06	3,952.06	.00	J38 A
NSF GP 16377	090060	.00	.00	9,116.60	9,116.60	.00	J38 A
NSF GK 16622	090062	.00	.00	3,943.76	3,943.76	.00	M12 A
NSF GB 18429	090066	.00	.00	3,302.57	3,302.57	.00	J39 A
NSF GK 18514	090067	.00	.00	12,411.77	12,411.77	.00	M15 A
NSF GK 18894	090080	.00	1.96	8,149.55	8,151.51	.00	M14 A
NSF GP 20275	091210	.00	.00	.00	.00	.00	J34 A
NSF GP 20367	091220	.00	.00	6,525.97	6,525.97	.00	J34 A
NSF GB 20491	091230	.00	.00	14,769.44	14,769.44	.00	J38 A

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20/02 NATIONAL SCIENCE FOUNDATION	CONTINUED						
NSF GP 20526	091231	.00	.00	14,939.30	14,939.30	.00	J34 A
NSF GP 20856	091400	.00	.00	9,263.51	9,263.51	.00	J37 A
NSF GP 20896	091402	.00	.00	4,913.21	4,913.21	.00	J38 A
NSF GB 20952	091403	.00	.00	6,567.49	6,567.49	.00	J34 A
NSF GB 21262	091407	.00	.00	2,435.55	2,435.55	.00	K10 A
NSF GP 21284	091408	.00	.00	4,032.73	4,032.73	.00	J38 A
NSF GK 21360	091450	.00	.00	14,374.20	14,374.20	.00	M14 A
NSF GP 22515	091499	.00	.00	4,498.69	4,498.69	.00	J37 A
NSF GP 22530	091500	.00	.00	33.99	33.99	.00	J34 A
NSF GP 22533X	091501	.00	.00	11,027.38	11,027.38	.00	J34 A
NSF GP 22742	091504	.00	.00	9,694.31	9,694.31	.00	J38 A
NSF GB 22626	091505	.00	.00	3,579.28	3,579.28	.00	K16 A
NSF GK 22837	091506	.00	.00	16,990.31	16,990.31	.00	S17 A
NSF GP 22954	091507	.00	.00	3,083.47	3,083.47	.00	J34 A
NSF GK 23087	091510	.00	.00	15,369.71	15,369.71	.00	M12 A
NSF GB 24557	091606	.00	.00	13,052.21	13,052.21	.00	J21 A
NSF GP 24624	091607	.00	.00	8,625.56	8,625.56	.00	J38 A
NSF GB 25452	091608	.00	.00	8,280.06	8,280.06	.00	J22 A
NSF GP 25909	091609	.00	.00	22,209.73	22,209.73	.00	J34 A
NSF GP 26108	091610	.00	.00	33,155.23	33,155.23	.00	M15 A
NSF GB 27051	091700	.00	.00	17,893.25	17,893.25	.00	J33 A
NSF GA 27082	091701	179.30	.00	188.53	367.83	.00	S19 A
NSF GP 27530	091702	.00	.00	4,020.24	4,020.24	.00	J34 A
NSF GB 27644	091703	.00	.00	7,379.47	7,379.47	.00	J34 A
NSF GA 28035	091705	.00	.00	19,480.55	19,480.55	.00	J38 A
NSF GB 28188	091706	.00	.00	6,769.73	6,769.73	.00	J21 A
NSF GB 28225	091707	.00	.00	5,364.80	5,364.80	.00	J39 A
NSF GS 27675	091708	.00	.00	8,936.69	8,936.69	.00	J12 A
NSF GP 28255	091709	.00	.00	66.33	66.33	.00	J38 A
NSF GP 28054	091710	.00	.00	13,836.70	13,836.70	.00	J34 A
NSF GP 28325	091712	.00	.00	8,615.29	8,615.29	.00	J38 A
NSF GP 28611	091714	.00	.00	2,668.36	2,668.36	.00	J38 A
NSF GP 29664	091715	.00	.00	14,308.54	14,308.54	.00	J37 A
NSF GP 28610X	091716	.00	.00	1,929.51	1,929.51	.00	S17 A
NSF GP 28940	091717	.00	.00	1,065.40	1,065.40	.00	J34 A
NSF GK 29197	091718	.00	.00	2,718.10	2,718.10	.00	M12 A
NSF GA 29501	091720	179.30CR	.00	19,232.41	19,053.11	.00	S19 A
NSF GP 29103	091722	.00	.00	2,989.80	2,989.80	.00	J37 A
NSF GP 29444	091723	.00	.00	3,106.78	3,106.78	.00	J38 A
NSF GP 29439	091724	.00	949.40	11,351.32	12,300.72	.00	J34 A
NSF GB 30521	091726	.00	.00	7,888.66	7,888.66	.00	J21 A

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20/02 NATIONAL SCIENCE FOUNDATION	CONTINUED						
NSF GK 30481	091727	.00	.00	3,154.52	3,154.52	.00	M14 A
NSF GB 30501	091728	.00	.00	12,751.96	12,751.96	.00	J21 A
NSF GS 30516	091730	.00	240.00	3,993.10	4,233.10	.00	J12 A
NSF GS 30636	091731	.00	.00	17.10	17.10	.00	J27 A
NSF GJ 31275	091732	.00	.00	12,163.49	12,163.49	.00	M15 A
NSF GK 31490	091733	.00	.00	25,441.62	25,441.62	.00	M13 A
NSF GJ 31011	091734	.00	3,452.02	19,186.87	22,638.89	.00	S12 A
NSF GA 31343	091735	.00	.00	8,896.70	8,896.70	.00	J36 A
NSF GS 31594	091736	.00	.00	748.75	748.75	.00	J27 A
NSF GP 31749	091737	.00	.00	9,665.23	9,665.23	.00	J34 A
NSF GS 31944	091738	.00	.00	.00	.00	.00	J27 A
NSF GA 31989	091739	.00	.00	11,540.60	11,540.60	.00	J36 A
NSF GB 31990	091740	.00	59.60	11,379.48	11,439.08	.00	J33 A
NSF GA 31870	091741	.00	.00	11,828.74	11,828.74	.00	J36 A
NSF GA 32134	091742	.00	4,044.09	30,767.32	34,811.41	.00	J36 A
NSF GP 32414X	091743	.00	.00	118,008.72	118,008.72	.00	J38 A
NSF GK 32372	091744	.00	.00	22,967.40	22,967.40	.00	M14 A
NSF GK 32526 X	091745	.00	.00	18,191.97	18,191.97	.00	M12 A
NSF GB 32536X	091747	.00	15.00	7,884.20	7,899.20	.00	J39 A
NSF GA 33857	091748	.00	.00	11,675.24	11,675.24	.00	J36 A
NSF GP 33961	091749	.00	.00	12,874.66	12,874.66	.00	J38 A
NSF GS 32735X	091750	.00	84.70	18,221.13	18,305.83	.00	J12 A
NSF GP 32960	091751	.00	.00	3,918.77	3,918.77	.00	J37 A
NSF GP 33043	091752	.00	.00	5,746.14	5,746.14	.00	J37 A
NSF GK 33091	091753	.00	.00	8,916.98	8,916.98	.00	M15 A
NSF GH 33129X	091754	.00	.00	19,200.07	19,200.07	.00	J34 A
NSF GB 33484	091755	.00	.00	15,255.74	15,255.74	.00	S23 A
NSF GA 33495	091756	.00	.00	24,310.70	24,310.70	.00	S19 A
NSF GS 33641	091757	.00	.00	8,654.36	8,654.36	.00	J21 A
NSF GP 34000	091758	.00	.00	2,419.87	2,419.87	.00	J37 A
NSF GP 34055	091759	.00	.00	2,824.52	2,824.52	.00	J37 A
NSF GK 34180	091760	.00	.00	12,304.92	12,304.92	.00	M14 A
NSF GH 34307	091761	.00	.00	10,611.40	10,611.40	.00	J38 A
NSF GH 34315X	091762	.00	.00	26,877.93	26,877.93	.00	J34 A
NSF GP 34485	091764	.00	.00	5,989.67	5,989.67	.00	J37 A
NSF GH 34504	091765	.00	.00	30,063.53	30,063.53	.00	J38 A
NSF GH 34508	091766	.00	.00	16,834.41	16,834.41	.00	J38 A
NSF GH 34534	091767	.00	.00	15,364.64	15,364.64	.00	J38 A
NSF GK 33844	091768	.00	.00	13,337.59	13,337.59	.00	M14 A
NSF GH 34453X	091769	.00	.00	15,933.43	15,933.43	.00	S17 A
NSF GK 34756	091770	.00	.00	11,234.02	11,234.02	.00	M15 A

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20/02 NATIONAL SCIENCE FOUNDATION	CONTINUED						
NSF GH 34573	091771	.00	151.10	28,437.02	28,588.12	.00	J38 A
NSF GA 34818	091772	.00	.00	1,995.01	1,995.01	.00	J36 A
NSF GI 34897	091773	.00	.00	16,799.05	16,799.05	.00	M12 A
NSF GI 34976	091774	.00	475.00	63,537.05	64,012.05	.00	M12 A
NSF GI 34979	091775	.00	10.45	66,551.65	66,562.10	.00	M13 A
NSF GS 35283	091776	.00	.00	2,931.57	2,931.57	.00	J44 A
NSF GB 35475	091777	.00	.00	3,434.37	3,434.37	.00	J33 A
NSF GJ 35759	091779	.00	.00	8,392.37	8,392.37	.00	S12 A
NSF GP 35873X	091780	.00	.00	8,591.80	8,591.80	.00	J34 A
NSF GH 35911	091781	.00	.00	12,294.17	12,294.17	.00	S17 A
NSF GB 36164X	091782	.00	.00	3,746.70	3,746.70	.00	J33 A
NSF GP 36753	091783	.00	.00	8,434.69	8,434.69	.00	J38 A
NSF GP 36857	091784	.00	.00	6,605.94	6,605.94	.00	J38 A
NSF GP 36889	091785	.00	.00	2,045.11	2,045.11	.00	J34 A
NSF GS 36898	091786	.00	.00	4,233.25	4,233.25	.00	J12 A
NSF GK 37089	091787	.00	.00	.00	.00	.00	M14 A
NSF GB 36982	091788	.00	.00	1,796.50	1,796.50	.00	J21 A
NSF GS 37277	091789	.00	.00	4,572.59	4,572.59	.00	J21 A
NSF GP 37493X	091790	.00	.00	3,340.88	3,340.88	.00	J34 A
NSF GH 37252	091791	.00	.00	666.64	666.64	.00	J38 A
NSF GK 37400	091792	.00	.00	1,705.55	1,705.55	.00	M15 A
NSF GK 37443	091793	.00	.00	1,796.07	1,796.07	.00	M13 A
NSF GB 37663	091794	.00	.00	565.00	565.00	.00	J33 A
NSF GP 37818	091795	.00	.00	1,234.56	1,234.56	.00	J37 A
NSF GH 37361	091796	.00	.00	2,263.03	2,263.03	.00	S17 A
NSF GS 37891	091798	.00	.00	6,586.89	6,586.89	.00	J27 A
NSF GP 37917	091799	.00	.00	.00	.00	.00	J38 A
NSF GK 38340	091801	.00	.00	5,423.06	5,423.06	.00	M12 A
NSF GK 38148	091802	.00	.00	.00	.00	.00	M15 A
NSF GB 38242	091803	.00	.00	2,728.77	2,728.77	.00	J33 A
NSF GH 38347	091804	.00	.00	.00	.00	.00	S17 A
NSF GP 38593X	091805	.00	.00	8,113.87	8,113.87	.00	M15 A
NSF GH 38848	091807	.00	.00	901.30	901.30	.00	M12 A
NSF GP 38888	091808	.00	.00	.00	.00	.00	J37 A
NSF GA 38837	091809	.00	.00	1,271.13	1,271.13	.00	S19 A
NSF GI 39215	091810	.00	.00	333.34	333.34	.00	M12 A
NSF GH 39111	091811	.00	.00	.00	.00	.00	J34 A
NSF DI 39502	091813	.00	.00	.00	.00	.00	M11 A
20/02 NATIONAL SCIENCE FOUNDATION	TOTALS	.00	10,425.44	1,659,814.36	1,670,239.80	.00	

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20/03 AGRICULTURE							
ARS 12-14-100 8870 (44)	062000	704.45	.00	.00	.00	704.45	K15 A
USDA 12-14-100-10457 (81)	062003	.06	999.96	.00	999.90	.12	K07 A
USDA ARS 12-14-100-10903 (51)	062004	.00	6,968.45	1,887.13CR	5,081.32	.00	K65 A
USDA ARS 12-14-100-11233(51)	062005	.00	768.15	2,231.85	2,398.98	601.02	K10 A
DAAG 17-72-C-0025	064102	204.75	15,337.00	3,737.00CR	11,768.11	36.64	J22 A
DAAG 17-72-G-0003	064103	1,956.69	6,000.00	.00	5,350.33	2,606.36	K10 A
USDA FORESTRY #23-00-263	067604	336.21	5,566.56	1,316.56CR	4,544.58	41.63	K66 A
USDA FORESTRY #23-00-263	067605	.00	3,000.00	3,000.00CR	.00	.00	K12 A
USDA FS 23-00-263-S4	067606	439.15	9,464.81	466.92CR	9,437.04	.00	K66 A
USDA EXTENTION SERVICE -- BEATTIE	067607	667.23	.00	.00	6.50	660.73	K21 A
USDA 42-00, 075	067608	.00	1,842.25	1,508.00	3,345.45	4.80	K11 A
USDA 19-129	067609	.00	18,434.44	5,565.56	23,722.34	277.66	K11 A
USDA SCS 42-00-052	067610	308.78	16,023.74	4,144.47CR	12,096.38	91.67	K11 A
USDA FS-NE-11	067611	.00	4,042.18	457.82	4,042.18	457.82	K35 A
USDA 23-00263-S6	067612	.00	523.00	.00	523.00	.00	K11 A
USDA FS-23-00263-SUPPLEMENT #1	067613	.00	400.00	.00	400.00	.00	K01 A
USDA FS-FISHER STUDIES	067614	.00	.00	.00	.00	.00	K11 A
USDA ERS 12-17-04-8-790-X	067620	.00	.00	.00	.00	.00	K53 A
USDA ERS FPE-X-8	067701	18.49	2,180.95	2,184.66CR	14.78	.00	K03 A
20/03 AGRICULTURE	TOTALS	4,635.81	91,551.49	6,973.51CR	83,730.89	5,482.90	
20/04 AIR FORCE							
USAF F 19628 70 C 0199	060703	.00	125.00	125.00CR	.00	.00	J38 A
ARPA CONTRACT F19628-70-C-0296	060704	.00	.00	.00	.00	.00	J38 A
AF F19628-71-C-0130	060705	375.39	3,429.22	1,515.07CR	2,289.54	.00	M12 A
ARPA F19628-72-C-0075	060707	98.12	35,605.91	17,607.36CR	18,096.67	.00	J38 A
AFOSR 68 1384	062801	255.00	.00	.00	.00	255.00	J34 A
AFOSR 68 1527	063001	13,125.97	.00	.00	13,070.28	55.69	M13 A
AFOSR 69 1722	063101	31,553.30	20,000.00	.00	39,405.21	12,148.09	M15 A
AFOSR-71-1977/AMHERST	063203	20.00	.00	.00	20.00	.00	J34 A
AFOSR-71-2111	063204	5,649.87	28,474.00	7,853.00CR	12,569.93	13,700.94	M15 A
AFOSR 72-2202	063205	11,465.11	.00	.00	6,907.97	4,557.14	J34 A
AFOSR 72-2170	063206	45,517.34	.00	7,327.00CR	18,963.99	19,226.35	S17 A
AFOSR 72-2340	063207	.00	17,081.00	4,430.00CR	2,967.71	9,683.29	M13 A
AFOSR 73-2443	063208	.00	18,615.00	4,986.00CR	12,880.34	748.66	M15 A
20/04 AIR FORCE	TOTALS	108,060.10	123,330.13	43,843.43CR	127,171.64	60,375.16	

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20/05 ARMY							
DACW 72 67 C 0004	063502	300.67	1,524.40	300.67CR	477.22	1,047.18	J36 A
DAHC 04 68 C 0028	063503	569.42	101.47	467.68CR	203.21	.00	S17 A
DAHC 04-70-C-0043	063507	206.52	12,696.19	6,670.19CR	6,213.60	18.92	S12 A
DACW 72-70-C-0029	063508	429.21	964.66	1,120.39CR	127.09	146.39	J36 A
DAHC 04-70-C-0064	063509	1,725.38	.00	1,725.38CR	.00	.00	J38 A
DACW 72-71-C-0023	063511	78.54	2,609.61	2,478.78CR	209.37	.00	J36 A
DAHC 19-72-G0002	063512	2,952.95	.00	29.75	2,982.70	.00	S17 A
DACW 33-72-M-0950	063514	.00	.00	929.23	929.23	.00	M13 A
DACW 33-73-M-0985	063516	.00	.00	1,145.73	1,145.73	.00	K09 A
DACW 33-73-M-1098	063517	.00	.00	.00	.00	.00	M13 A
DA 49 193 MD 3036	063603	4.90	.00	.00	.00	4.90	M13 A
DAAG 17-73-G-0001	063605	.00	7,000.00	.00	4,242.50	2,757.50	K10 A
DA ARO-D-31-124-72-G62	063702	46.43	.00	23.71CR	22.72	.00	M15 A
DA-ARO-C-31-124-72-G 142	063703	699.41	16,000.00	3,960.00CR	10,299.26	2,440.15	M14 A
DA-ARO-D-31-124-72-G161	063704	5,550.00	26,000.00	5,750.00CR	16,617.34	9,182.66	S17 A
DA ARO-D-31-124-72-G196	063705	.00	1,800.00	.00	1,454.98	345.02	M15 A
DA ARO-D-31-124-73-G60	063706	.00	13,704.00	3,404.00CR	5,393.22	4,906.78	S17 A
DA ARO D-31-124-70-G65	063801	15,320.23	17,930.00	4,100.00CR	16,960.52	12,189.71	M14 A
DA ARO D 31-124-71 G113	064004	.00	20,975.60	7,029.12CR	11,855.83	2,090.65	S17 A
DA AB 07-71-C-0260	064101	162.19	37,602.84	12,402.84CR	25,349.54	12.65	M15 A
DAAG 46-73-C-0179	064105	.00	.00	2,000.00	1,748.03	251.97	S17 A
20/05 ARMY	TOTALS	28,045.85	158,908.77	45,328.05CR	106,232.09	35,394.48	
20/06 AEC							
AEC AT 30 1 3561	065000	853.46	.00	.00	.00	853.46	J33 A
AEC AT (11-1) 3329	065002	.00	30,982.40	14,376.97CR	16,291.45	313.98	J39 A
AEC AT (11-1) 3330	065003	.00	238,050.00	93,075.31CR	115,189.20	29,785.49	J38 A
AEC AT (11-1) 3330 B	065005	991.55	.00	.00	73.96	917.59	J38 A
AEC AT (11-1) 3331	065006	.00	43,931.90	12,302.09CR	27,349.32	4,280.49	J38 A
AEC AT (11-1)-3024	065007	.00	74,969.94	34,316.85CR	40,653.09	.00	S19 A
20/06 AEC	TOTALS	1,845.01	387,934.24	154,071.22CR	199,557.02	36,151.01	
20/07 NASA							
NAS 12-606 A	066003	.00	530.00	530.00CR	.00	.00	M15 A
NAS 8-29073	066006	.00	23,360.00	6,147.00CR	15,667.58	1,545.42	M14 A
NAS 5-21813	066007	.00	14,794.46	505.54	15,211.89	88.11	S19 A
NAS 5-21871	066008	.00	.00	1,000.00	816.70	183.30	J36 A

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20/07 NASA	CONTINUED						
NGR 22 010 018	066203	.00	14,500.00	2,993.03CR	11,506.97	.00	M15 A
NGR 22 010 023	066204	.00	39,000.00	6,878.27CR	32,121.73	.00	J38 A
NGR 22 010 025	066207	.00	71,000.00	13,917.01CR	54,803.03	2,279.96	J38 A
NGR 22 010 029	066208	.00	6,040.00	554.37CR	4,923.98	561.65	J34 A
NGR 22 010 039	066209	.00	53,000.00	9,900.31CR	43,099.69	.00	J38 A
NGR 22-010-054	066212	.00	4,000.00	1,433.12CR	1,210.85	1,356.03	J36 A
NGR-22-010-063	066213	.00	9,250.00	3,331.55CR	5,701.95	216.50	M14 A
NASA- NGR 22-010-052	066214	.00	9,613.90	3,055.74CR	4,517.07	2,041.09	J36 A
NASA NGL 22-010-076	066215	.00	11,200.00	149.34	11,349.34	.00	J36 A
NASA 22-010-045/AMHERST	066216	146.12	.00	.00	.00	146.12	J38 A
NGR 22-010-089	066217	.00	21,943.25	1,310.47CR	20,632.78	.00	J36 A
20/07 NASA	TOTALS	146.12	278,231.61	48,395.99CR	221,563.56	8,418.18	
20/08 DEPARTMENT OF INTERIOR							
WR B004	060502	221.05	.00	.00	158.80	62.25	K11 A
WR B005	060503	358.99	.00	.00	.00	358.99	M13 A
WR B006	060504	320.48	.00	.00	145.90	174.58	K13 A
WR B008	060505	20.77	.00	.00	.00	20.77	M13 A
WR B010	060506	1,289.42	.00	.00	467.20	822.22	K11 A
WR B011	060507	3,135.26	.00	.00	2,406.71	728.55	M13 A
WR B012	060508	111.44	.00	.00	111.44	.00	K11 A
WR B014	060509	.13	.00	.00	.00	.13	S14 A
WR B015	060510	2.63	.00	.00	.00	2.63	K11 A
WR-B017	060511	20,374.09	4,186.00	.00	.00	24,560.09	K03 A
WR-B018	060512	7,234.73	96.25	.00	5,348.75	1,982.23	J17 A
WR B021	060513	17,045.64	22,727.00	.00	13,438.19	26,334.45	M13 A
WR B023	060514	12,480.51	55.47	.00	11,128.29	1,407.69	K11 A
WR B017B	060515	.00	20,492.00	4,492.00CR	16,000.00	.00	K03 A
WR B026	060516	.00	9,800.00	.00	3,985.00	5,815.00	J17 A
WR B028	060517	.00	28,100.00	.00	27,740.73	359.27	K03 A
WR B029	060518	.00	14,000.00	.00	5,577.18	8,422.82	K12 A
WR B033	060519	.00	.00	.00	.00	.00	M13 A
WR B036	060520	.00	.00	.00	.00	.00	S14 A
USDI OSW 14-01-0001-2297	065205	.00	1,000.00	1,000.00CR	.00	.00	J34 A
EPA 16030-DVB-3	065208	721.81	13,808.35	10,717.92	25,248.08	.00	K57 A
DI 14-31-0001-3377	065305	1,921.66	.00	.00	1,323.71	597.95	S14 A
DI BSFW 14-16-0008-1072	065306	423.08	1,999.92	2,483.90	4,906.90	.00	K11 A
DI BSFW 14-16-0008-1089	065307	.00	5,151.22	1,066.92	4,396.61	1,821.53	K11 A
DI 14-31-0001-9058	065308	.00	12,614.00	3,203.67CR	7,297.26	2,113.07	S14 A

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20/08 DEPARTMENT OF INTERIOR	CONTINUED						
DI BSFW 14-16-0005-4588	065311	.00	.00	.00	.00	.00	K11 A
DI BOM G0111343	065504	580.65	21,797.94	2,761.20CR	19,526.59	90.80	M12 A
DI-NATIONAL PARK SERVICE	065601	.00	48,475.95	16,782.61CR	31,693.34	.00	K35 A
DI OSW 14-30-3146	065602	.00	15,000.00	3,386.94CR	11,039.94	573.12	S17 A
EPA-68-02-0084	065701	280.34	3,356.44	3,256.44CR	357.55	22.79	K73 A
USDI FWPCA 18050 DBT	065821	.00	.00	.00	.00	.00	K11 A
DI FWPCA 17070 DZS	065831	249.23	.00	249.23CR	.00	.00	M13 A
20/08 DEPARTMENT OF INTERIOR	TOTALS	66,771.91	222,660.54	20,863.35CR	192,298.17	76,270.93	
20/09 NONR							
NONR 3357 01	066300	73.80	.00	.00	.00	73.80	S17 A
N 00014 67 A 230 0001	066600	496.30	38,138.98	25,048.62CR	13,586.66	.00	J36 A
N 62399-70-C-0025	066701	141.57	.00	141.57CR	.00	.00	M13 A
N62399-72-R-0018	066702	.00	11,417.56	782.44	12,090.24	109.76	M13 A
N 00014 67 A 0230 0002	066801	94.47	44,047.03	10,334.82CR	33,806.68	.00	J38 A
N 00014 67 A 0230 0004	066803	490.17	6,581.33	3,343.00CR	3,649.05	79.45	K15 A
N 0014-67-A-0230-0005	066804	265.40	12,510.34	8,172.81CR	4,602.93	.00	J34 A
N 00014-67-A-0230-0006	066805	391.48	36,504.13	7,770.13CR	29,015.14	110.34	L13 A
N 00014-67-A-0230-0007	066806	264.08	30,721.23	7,168.86CR	22,825.29	991.16	S12 A
N 00014-67-A-0230-0009	066808	.00	32,769.37	1,930.63	34,201.02	498.98	J38 A
N 00014-67-A-0230-0010	066809	.00	.00	600.00	527.27	72.73	S12 A
THEMIS N00014 68 A 0146 1	067401	101,697.00	97,140.32	197,942.28CR	.00	895.04	M11 A
THEMIS N00014 68 A 0146 3	067403	.00	.00	7,122.27	7,122.27	.00	M14 A
THEMIS N00014 68 A 0146 4	067404	.00	.00	4,234.38	4,234.38	.00	M12 A
THEMIS N00014 68 A 0146 6	067406	.00	110.76	10,382.21	10,492.97	.00	M15 A
THEMIS N00014 68 A 0146 9	067409	.00	.00	2,435.35	2,435.35	.00	M13 A
THEMIS N00014 68 A 0146 10	067410	.00	.00	838.26	838.26	.00	M13 A
THEMIS N00014 68 A 0146 13	067413	.00	.00	.00	.00	.00	M14 A
THEMIS N00014 68 A 0146 1A	067415	.00	.00	6,796.80	6,796.80	.00	M11 A
THEMIS N00014 68 A 0146 16	067416	.00	.00	14,306.84	14,306.84	.00	M14 A
N00014-68-A0146-P001-17 AMHERST	067417	.00	.00	1,735.41	1,735.41	.00	M13 A
N 00014-68-A-0146-6 A	067418	.00	.00	3,775.67	3,775.67	.00	M15 A
N 00014-68-A-0146-6 C	067419	.00	.00	6,692.41	6,692.41	.00	M14 A
N 00014-68-A-0146-6 D	067420	.00	.00	8,496.87	8,496.87	.00	M13 A
20/09 NONR	TOTALS	103,914.27	309,941.05	189,792.55CR	221,231.51	2,831.26	

SCHEDULE F-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 20 FEDERAL GRANTS AND CONTRACTS-RESEARCH CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
20/10 EDUCATION							
OEG 1-70-0010	068218	856.33	.00	.00	736.84	119.49	Q11 A
OEG 1-70-00014-0020 (509)	068221	2.04	1.45	110.16	113.65	.00	L12 A
OEG 1-70-00052-0021	068222	67.82	.00	.00	.00	67.82	J21 A
OEG 1-71-0109-(508)	068231	.00	63.00	15,829.68	15,871.11	21.57	J21 A
OEG 0 9 313519 3519 097	068306	86.50	.00	527.03	.00	613.53	Q11 A
OEC-0-70-5059 (284)	068309	411.37	3,294.24	3,083.92CR	436.37	185.32	Q11 A
OEG 0-71-0010 (509)	068311	.00	.00	34.28	34.28	.00	J24 A
OEG 0-71-0108 (508)	068312	.00	.00	1,100.09	1,089.45	10.64	J21 A
OEG 1-72-0002 (509)	068313	.00	.00	3,925.94	3,925.94	.00	J18 A
OEG 1-72-0009 (509)	068315	.00	.00	3,881.88	3,881.88	.00	J25 A
OEG 0-72-1610	068316	.00	40.60	4,642.90	2,855.73	1,827.77	J21 A
OEG 1-7-000211-0211	069200	722.59	173,495.59	57,346.09	231,416.00	148.27	Q11 A
OEG 0-73-0534 (615)	069201	.00	2,933.90	117,391.15	114,126.29	6,198.76	Q11 A
OEG 0-73-0534-A	069202	.00	.00	.00	.00	.00	Q11 A
20/10 EDUCATION	TOTALS	2,146.65	179,828.78	201,705.28	374,487.54	9,193.17	
20/11 U S DEPT OF LABOR							
USDL 91-23-68-27	061801	.00	.00	129.65	129.65	.00	T15 A
USDL 91-23-69-20	061803	1,300.77	.00	.00	309.06	991.71	T15 A
USDL 91-25-73-09	061804	.00	15,160.00	3,557.00CR	4,061.82	7,541.18	T15 A
20/11 U S DEPT OF LABOR	TOTALS	1,300.77	15,160.00	3,427.35CR	4,500.53	8,532.89	
20/12 OTHER AGENCIES							
REMOTE SENSING RHODE ISLAND	060105	.00	.00	9,500.00	9,448.61	51.39	K11 A
NAT'L COMM. STATE WORKMEN'S COMP LAW	060202	.00	2,118.45	2,118.45CR	.00	.00	T15 A
DOT-CG-13992-A	061401	5.59	21,593.91	11,783.91CR	9,790.39	25.20	S19 A
ENDOWMENT FOR HUMANITIES	061704	.00	.00	.00	.00	.00	J18 A
NEH RO 6109-72-180	061707	2,799.67	7,000.00	2,714.29CR	3,701.50	3,383.88	J18 A
NEH ES-5292-73-97	061708	.00	14,100.00	7,226.68	21,326.68	.00	J20 A
NEH RO 7921-73-195	061709	.00	13,000.00	.00	6,253.35	6,746.65	J18 A
DC E 174 69N	064301	.21	.00	.00	.00	.21	J38 A
DNA 001-73-C-0143	064501	.00	.00	23,000.00	22,895.92	104.08	J38 A
TITLE 1-70-025-012	065105	.00	8,784.00	8,704.20CR	79.80	.00	K73 A
BHE 72-025-007	065107	.00	5,500.00	3,158.09	8,658.09	.00	K43 A
DC NBS 3-9002	065980	.00	46.00	.00	46.00	.00	S12 A
USDC NOAA-04-3-158-33	065985	.00	10,147.00	1,877.00CR	8,015.97	254.03	J38 A
USDC NBS 3-35965	065986	.00	.00	3,200.00	3,064.64	135.36	S12 A

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 20 FEDERAL GRANTS AND CONTRACTS-RESEARCH CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
20/12 OTHER AGENCIES	CONTINUED						
USDC NBS 3-35998	065987	.00	.00	1,200.00	1,124.97	75.03	S12 A
SSA 71-3380	068401	486.07	19,008.89	6,383.89CR	12,735.64	375.43	J17 A
20/12 OTHER AGENCIES	TOTALS	3,291.54	101,298.25	13,703.03	107,141.56	11,151.26	
SECT-20 FEDERAL GRANTS AND CONTRACTS-RESEARCH		326,067.23	1,901,211.88	2,495,813.14	4,465,640.82	257,451.43	

SCHEDULE F-2

UNIVERSITY OF MASSACHUSETTS AT AMHERST
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 21 AGENCY FUNDS

A C C O U N T N A M E	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
STATE EMPLOYEES INSURANCE PREMIUM	038100	134,755.87	313.85	12,760.00	67,861.16CR	215,690.88	B12 A
ALUMNI GENERAL ACTIVITIES	094000	415.20	.00	580.60	995.80	.00	AB7 A
BIERHOST AGENCY	094200	31.74	.00	.00	.00	31.74	J33 A
CARNEGIE INTERNSHIP PROGRAM	094300	368.30	.00	.00	368.30	.00	J17 A
CCEBS AGENCY	094350	698.37	1,132.10	100.00	1,774.18	156.29	E26 A
DIGITAL EQUIPMENT CORP	094375	.00	6,190.00	.00	5,320.51	869.49	M15 A
DOMESTIC ACTIONS PROGRAM	094400	541.93	17,466.36	509,257.83	526,874.51	391.61	E11 A
EDUCATION FILM AND TAPE	094450	67.48	.00	.00	.00	67.48	Q11 A
ENGLISH LITERARY RENAISSANCE/AMHERST	094490	.00	1,800.00	7,500.00	9,300.00	.00	J14 A
EQUIPMENT SHORTAGE AF ROTC	094500	228.58	.00	.00	.00	228.58	RA1 A
EQUIPMENT SHORTAGE AR ROTC	094700	1,409.09	9.02	1,259.11CR	159.00	.00	RB1 A
FEDERAL RETIREMENT AGENCY	094855	3,501.23	36,364.00	.00	36,129.70	3,735.53	K21 A
FEDERAL TAX PERSONAL TEL CALLS	094900	6.27	.00	.00	6.27	.00	B15 A
F I C A AGENCY	095000	.00	.00	.00	.00	.00	B15 A
4 H ACTIVITIES	095100	1,450.03	738.73	.00	1,269.46	919.30	K33 A
IMS GRANT FOR COMPUTER ENGINEERING	095500	.00	250.00	.00	.00	250.00	M15 A
MASSACHUSETTS EDUCATIONAL FILM FUND	095700	4,919.49	5,679.90	.00	4,155.63	6,443.76	G11 A
MASSACHUSETTS REVIEW	095900	14,856.03	37,239.05	10,000.00	50,947.70	11,147.38	E13 A
COLLEGE PUBLICATIONS	096300	2,233.90	58.58	.00	1,574.54	717.94	J14 A
WILDLIFE SERVICE FUND	096500	3,968.54	24,583.94	.00	22,758.64	5,793.84	B15 A
SMITH,KLINE & FRENCH LABORATORIES	096650	8,165.80	5,000.00	.00	6,319.79	6,846.01	M14 A
SPECIAL MILITARY FUND	096700	290.24	197.42	1,265.76	691.21	1,062.21	RB1 A
STUDENT DEPOSIT ACCOUNT	096900	279,474.77	4,966,406.53	220,005.18CR	4,774,195.61	251,680.51	B11 A
STUDENT HEALTH INSURANCE - AMHERST	097200	3,504.00	507,232.98	.00	495,163.37	15,573.61	B11 A
UM CHAPTER AAUP AMHERST	097250	23.51	.00	.00	.00	23.51	L11 A
UNITED STATES SAVINGS BONDS / NOTES	097300	3,228.60	104,058.64	.00	102,489.41	4,797.83	B11 A
VICTORIAN PERIODICALS/AMHERST	097450	589.48	1,450.00	48.71CR	1,396.77	594.00	J14 A
WESTERN MASS BROADCASTING COUNCIL	097500	6,075.36	83,869.24	.00	53,735.98	36,208.62	AA6 A
WMBC 1972 CPB AWARD	097550	5,564.64	15,000.00	.00	16,246.20	4,318.44	AA6 A
WMPIRG AGENCY ACCOUNT	097575	.00	47,946.74	.00	46,405.09	1,541.65	B15 A
WFCR TOSCANINI SERIES	097600	78.28	.00	.00	65.66CR	143.94	AA6 A
SECT-21 AGENCY FUNDS		476,446.73	5,862,987.08	320,151.19	6,090,350.85	569,234.15	
TOTALS FOR SECTIONS 03 TO 21		6,078,331.71	70,970,133.13	355,820.12CR	70,657,802.65	6,034,842.07	

SCHEDULE F-3

ATHLETIC TRUST FUND

STATEMENT OF RECEIPTS, DISBURSEMENTS AND BALANCES

BALANCE, JULY 1, 1972			$ 34,153.87
RECEIPTS:			
STUDENT FEES	$571,543.10		
OTHER RECEIPTS	3,707.44		
		$575,250.54	
LESS:			
REFUND OF STUDENT FEES	$ 9,362.45		
TRANSFER TO U.M. BLDG. AUTHORITY PROJECT #4 (STADIUM)	80,000.00		
		89,362.45	
NET RECEIPTS			485,888.09
TOTAL AVAILABLE			$520,041.96
DISBURSEMENTS:			
SALARIES		$133,723.87	
SUPPLIES		330,506.68	
EQUIPMENT		35,593.86	
MARCHING BAND		5,000.00	
TOTAL DISBURSEMENTS			504,824.41
BALANCE, JUNE 30, 1973			$ 15,217.55

SCHEDULE F-3 (CONTINUED)

ATHLETIC RESERVE ACCOUNT

BALANCE, JULY 1, 1972	$ 34,692.24
INTEREST ON SAVINGS ACCOUNT	1,757.25
BALANCE, JUNE 30, 1973	$ 36,449.49

ATHLETIC RESERVE ACCOUNT - SPECIAL

BALANCE, JULY 1, 1972	$152,083.24
RECEIPTS:	
TRANSFER FROM TRUST FUND INTEREST CLEARING	5,968.73
BALANCE, JUNE 30, 1973	$158,051.97

GEORGE H. BARBER SCHOLARSHIP

BALANCE, JULY 1, 1972		$ 42,014.61
RECEIPTS:		
INCOME FROM SALES, ADMISSION & DONATIONS	$173,206.10	
TRANSFER FROM STUDENT AUTOMATIC SERVICE	50,000.00	
		223,206.10
FUNDS AVAILABLE		$265,220.71
DISBURSEMENTS:		
BOOKS, SUPPLIES & EXPENSES	$ 28,980.63	
SCHOLARSHIPS	187,726.25	
		216,706.88
BALANCE, JUNE 30, 1973		$ 48,513.83

SCHEDULE F-4

BOARDING HALLS

STATEMENT OF RECEIPTS, DISBURSEMENTS AND BALANCES

BALANCE, JULY 1, 1972			$ 1,796.96
RECEIPTS:			
INCOME	$6,418,117.96		
FUNDS ADVANCED	554,000.00		
REFUND OF EXPENDITURES	943.29		
		$6,973,061.25	
LESS:			
STUDENT REFUNDS	$ 256,161.94		
UNIVERSITY OF MASSACHUSETTS BUILDING AUTHORITY PROJECT THREE	130,681.45		
UNIVERSITY OF MASSACHUSETTS BUILDING AUTHORITY PROJECT FIVE	155,668.40		
UNIVERSITY OF MASSACHUSETTS BUILDING AUTHORITY PROJECT SEVEN	163,113.92		
UNIVERSITY OF MASSACHUSETTS BUILDING AUTHORITY PROJECT NINE	169,326.99		
RETURN OF ADVANCE	456,000.00		
		1,330,952.70	
TOTAL RECEIPTS			5,642,108.55
			$5,643,905.51
DISBURSEMENTS:			
SALARIES AND WAGES		$2,598,704.74	
SUPPLIES AND EXPENSES		2,687,802.90	
DEBT SERVICE		245,000.00	
EQUIPMENT		29,859.15	
INTEREST ON LOANS		3,420.00	
LIABILITIES PRIOR YEARS		78,193.42	
TOTAL DISBURSEMENTS			5,642,980.21
BALANCE, JUNE 30, 1973			$ 925.30

SCHEDULE F-5

RECOGNIZED STUDENT ORGANIZATIONS

STATEMENT OF RECEIPTS, DISBURSEMENTS AND BALANCES
YEAR ENDED JUNE 30, 1973

BALANCE JULY 1, 1972			
AMHERST SAVINGS BANK		$ 100,623.23	
FIRST NATIONAL BANK OF AMHERST		181,504.30	
TOTAL			$ 282,127.53
RECEIPTS:			
STUDENT FEES (NET)		$ 733,144.75	
CASH RECEIPTS	$786,408.20		
ADD: IN-TRANSIT ITEMS 6/30/72	736.80		
LESS: IN-TRANSIT ITEMS 6/30/73	(1,202.87)		
		785,942.13	
			1,519,086.88
INTERACTIVITY RECEIPTS			1,908,320.76
TOTAL			$3,709,535.17
DISBURSEMENTS:			
CASH DISBURSEMENTS		$1,475,666.01	
ADD: IN-TRANSIT CANCELLED CHECKS 6/30/73		3,700.00	
LESS: IN-TRANSIT ITEMS 6/30/73		(12,888.65)	
			$1,466,477.36
INTERACTIVITY DISBURSEMENTS			1,908,320.76
BALANCE, JUNE 30, 1973			
AMHERST SAVINGS BANK		$ 107,264.92	
FIRST NATIONAL BANK OF AMHERST		227,472.13	
			334,737.05
TOTAL			$3,709,535.17

SCHEDULE F-6

STUDENT HEALTH SERVICE

STATEMENT OF RECEIPTS, DISBURSEMENTS AND BALANCES

BALANCE, JULY 1, 1972			$ 248,031.16
RECEIPTS:			
STUDENT FEES	$1,720,882.71		
OTHER RECEIPTS	104,999.84	$1,825,882.55	
LESS:			
REFUND OF STUDENT FEES	$ 27,980.80		
TRANSFER TO STUDENT HEALTH - RESERVE PERMANENT	15,000.00		
FROM STUDENT HEALTH - RESERVE EDUCATIONAL	(550.73)	42,430.07	
NET RECEIPTS			1,783,452.48
FUNDS AVAILABLE			$2,031,483.64
DISBURSEMENTS:			
SALARIES & WAGES		$1,507,226.07	
SUPPLIES & EXPENSES		227,943.09	
EQUIPMENT		9,106.84	
LIABILITIES PRIOR YEAR		7,162.95	
TOTAL DISBURSEMENTS			1,751,438.95
BALANCE, JUNE 30, 1973			$ 280,044.69

SCHEDULE F-7

CAMPUS CENTER - UNIVERSITY STORE
INCOME STATEMENT
FOR THE PERIOD ENDED MAY 31, 1973

SALES		
BOOKS	$1,740,594.59	
SUPPLIES	865,282.05	
TOTAL SALES		$2,605,876.64
COST OF GOODS SOLD		
BEGINNING INVENTORY	$ 767,367.00	
PURCHASES	2,510,854.24	
FREIGHT IN	34,120.55	
	$3,312,341.79	
LESS: PURCHASE RETURNS & ALLOWANCES	502,942.20	
	$2,809,399.59	
LESS: PURCHASE DISCOUNTS	6,615.23	
	$2,802,784.36	
LESS: ENDING INVENTORY	740,218.34	
TOTAL COST OF GOODS SOLD		2,062,566.02
GROSS MARGIN ON SALES		$ 543,310.62
OPERATING EXPENSES		
PAYROLL - PERMANENT EMPLOYEES	$ 216,387.60	
PAYROLL - STUDENT HOURLY	60,839.05	
PAYROLL - NON-STUDENT HOURLY	97,608.91	
CLOTHING	304.50	
HOUSEKEEPING SUPPLIES & EXPENSES	80.78	
TRAVEL AND AUTOMOTIVE EXPENSES	1,918.65	
ADVERTISING & PRINTING	8,564.16	
MAINTENANCE - REPAIRS, REPLACEMENTS	2,685.07	
OFFICE & ADMINISTRATIVE EXPENSES	33,612.16	
CREDIT CARD DISCOUNTS	1,399.31	
TELEPHONE	3,511.57	
RENTALS	2,750.83	
PROVISION FOR RENEWALS & REPLACEMENTS	11,000.00	
TOTAL OPERATING EXPENSES		440,662.59
NET INCOME FROM OPERATIONS		$ 102,648.03
OTHER INCOME		
LAB FEE COMMISSIONS	$ 18,447.58	
POST OFFICE	916.66	
LOBBY COUNTER	(167.91)	
MISCELLANEOUS	1,542.62	
TOTAL OTHER INCOME		20,738.95
		$ 123,386.98
OTHER EXPENSES		
TRANSFER TO CAMPUS CENTER M & O ACCOUNT		-0-
NET INCOME FOR PERIOD		$ 123,386.98

SCHEDULE F-8

CAMPUS CENTER - UNIVERSITY STORE
BALANCE SHEET
AS OF MAY 26, 1973

ASSETS		
CURRENT ASSETS:		
CASH IN BANK	$ 72,962.20	
CASH ON HAND	9,500.00	
PETTY CASH	1,000.00	
CASH IN TRANSIT	8,165.57	
ACCOUNTS RECEIVABLE	79,223.95	
ACCOUNTS RECEIVABLE - BOOK VENDORS	255,013.23	
ACCOUNTS RECEIVABLE - SUPPLY VENDORS	12,309.33	
INVENTORY - BOOKS	527,059.34	
INVENTORY - SUPPLIES	213,159.00	
PREPAID EXPENSES	590.70	
TOTAL CURRENT ASSETS		$1,178,983.32
FIXED ASSETS:		
OFFICE FURNITURE AND FIXTURES	$ 24,347.88	
MACHINERY AND EQUIPMENT	24,826.15	
AUTOMOBILES AND TRUCKS	1,974.00	
BUILDING CAPITAL OUTLAY	6,660.00	
TOTAL FIXED ASSETS		57,808.03
OTHER ASSETS:		
INVESTMENT IN BOSTON CAMPUS STORE		108,500.00
PLANT FUNDS:		
RENEWAL & REPLACEMENTS - CASH		11,000.00
TOTAL ASSETS		$1,356,291.35
LIABILITIES & CAPITAL		
CURRENT LIABILITIES:		
ACCOUNTS PAYABLE	$116,255.13	
ACCRUED PAYROLL	8,162.82	
ACCRUED TAXES - MASS. SALES TAX	1,534.17	
LABORATORY FEES	124,871.01	
TOTAL CURRENT LIABILITIES		$ 250,823.13
PLANT FUNDS:		
RENEWAL & REPLACEMENT FUND BALANCES		11,000.00 (a)
CAPITAL:		
RETAINED EARNINGS:		
BALANCE JUNE 1, 1972	$966,302.40	
NET INCOME FOR PERIOD	123,386.98	
ADJUSTMENTS	4,778.84	
ADJUSTED RETAINED EARNINGS MAY 31, 1973		1,094,468.22
TOTAL LIABILITIES AND CAPITAL		$1,356,291.35

(a) Items recorded as depreciation prior to Fiscal Year 1973 are not funded

SCHEDULE F-9

CAMPUS CENTER - FOOD SERVICES
INCOME STATEMENT
FOR THE PERIOD ENDED JUNE 30, 1973

SALES		
HATCH	$304,735.16	
CAFETERIA	235,011.56	
COFFEE SHOP	400,364.89	
CATERING	305,728.85	
RESTAURANT	188,301.30	
RATHSKELLER	22,314.21	
LIQUOR SALES	416,790.14	
TOTAL SALES		$1,873,246.11
COST OF GOODS SOLD		
INVENTORY, JULY 1, 1972	$ 40,865.59	
PURCHASES	788,773.81	
FREIGHT IN	6.50	
	$829,645.90	
LESS: PURCHASE RETURNS & ALLOWANCES	3,598.54	
TOTAL AVAILABLE FOR SALE	$826,047.36	
LESS: INVENTORY, JUNE 30, 1973	48,032.05	
TOTAL COST OF GOODS SOLD		778,015.31
GROSS MARGIN ON SALES		$1,095,230.80
OPERATING EXPENSES		
PAYROLL - PERMANENT EMPLOYEES	$434,599.58	
PAYROLL - OVERTIME	17,285.96	
PAYROLL - OTHER PROFESSIONAL SERVICE	42,310.00	
PAYROLL - STUDENT HOURLY	200,042.23	
PAYROLL - NON-STUDENT HOURLY	122,194.48	
PAYROLL - NON-PROFESSIONAL - CONTRACT SERVICES	4,707.91	
CLOTHING	863.23	
HOUSEKEEPING SUPPLIES & EXPENSES	92,615.59	
HEAT & OTHER PLANT OPERATIONS	371.28	
TRAVEL & AUTOMOTIVE EXPENSE	1,642.63	
ADVERTISING AND PRINTING	13,927.46	
MAINTENANCE - REPAIRS, REPLACEMENTS	12,664.45	
SPECIAL SUPPLIES & EXPENSES	15,999.12	
OFFICE AND ADMINISTRATIVE EXPENSE	20,385.45	
RENTALS	5,100.89	
PROVISION FOR RENEWALS & REPLACEMENTS	14,500.00	
TOTAL OPERATING EXPENSE		999,210.26
NET INCOME FROM OPERATIONS		$ 96,020.54
OTHER INCOME		
VENDING	$ 49,991.77	
ADMISSIONS	22,228.73	
CASH OVERAGES	5,406.73	
MISCELLANEOUS	9,700.37	
TOTAL OTHER INCOME		87,327.60
NET INCOME FOR PERIOD		$ 183,348.14

SCHEDULE F-10

CAMPUS CENTER FOOD SERVICES
BALANCE SHEET
AS OF JUNE 30, 1973

ASSETS		
CURRENT ASSETS:		
CASH IN BANK	$(13,027.13)	
CASH ON HAND	6,950.00	
PETTY CASH	200.00	
CASH IN TRANSIT	18,941.01	
ACCOUNTS RECEIVABLE	169,551.91	
MISCELLANEOUS ACCOUNTS RECEIVABLE	132.02	
INVENTORY - FOOD	20,206.05	
INVENTORY - LIQUOR	27,826.00	
INVENTORY - SUPPLIES	--	
PREPAID INSURANCE	783.42	
TOTAL CURRENT ASSETS		$231,563.28
FIXED ASSETS:		
EDUCATION, TECH. & REC. EQUIPMENT	$ 6,039.31	
PLANT, SHOP & OPERATIONAL EQUIPMENT	1,609.49	
OFFICE EQUIPMENT	10,889.83	
HOUSEKEEPING & LAUNDRY EQUIPMENT	97,609.31	
BUILDING CAPITAL OUTLAY	215.00	
TOTAL FIXED ASSETS		116,362.94
PLANT FUNDS:		
RENEWAL & REPLACEMENT - CASH		14,500.00
TOTAL ASSETS		$362,426.22
LIABILITIES AND CAPITAL		
CURRENT LIABILITIES:		
ACCOUNTS PAYABLE - TRADE	$ 28,218.08	
ACCOUNTS PAYABLE - CHARGE TIPS	2,403.39	
ACCRUED PAYROLL	6,589.23	
ACCRUED TAXES - MASS. MEAL TAX	5,781.54	
ACCRUED TAXES - MASS. LIQUOR TAX	690.76	
TOTAL CURRENT LIABILITIES		$ 43,683.00
PLANT FUNDS:		
RENEWAL & REPLACEMENT OF FUND BALANCES		14,500.00
CAPITAL:		
RETAINED EARNINGS:		
BALANCE JULY 1, 1972	$120,895.08	
NET INCOME FOR PERIOD	183,348.14	
RETAINED EARNINGS JUNE 30, 1973		304,243.22
TOTAL LIABILITIES AND CAPITAL		$362,426.22

SCHEDULE F-11

CAMPUS CENTER M & O FUND
INCOME STATEMENT
FOR THE FISCAL YEAR ENDED JUNE 30, 1973

REVENUE		
AMORTIZATION FEES - CONTINUING EDUCATION	$ 29,891.93	
S. U. NEWS & SWEET SHOP	(4,415.72)	
GAMES AREA	46,771.50	
PRINT SHOP	(18,040.55)	
POST OFFICE SUB-STATION	(5,539.93)	
MISCELLANEOUS INCOME	17,627.01	
AUDIOVISUAL AIDS	(19,119.10)	
SCHEDULING OFFICE	(4,311.86)	
CAMPUS CENTER PROGRAMS	(8,291.80)	
TOTAL REVENUE		$ 34,571.48
TRANSFERS FROM OTHER FUNDS		
TRANSFER FROM PROJECT #11/STUDENT FEES	$794,007.42	
TRANSFER FROM PROGRAM OFFICE	21,738.61	
TOTAL TRANSFER FUNDS		815,746.03
TOTAL REVENUE FOR PERIOD		$ 850,317.51
OPERATING EXPENSES		
ADMINISTRATION AND BUSINESS OFFICE	$371,696.53	
PHYSICAL PLANT MANAGEMENT	494,626.06	
BOARD OF GOVERNORS	6,706.70	
TOTAL OPERATING EXPENSES		873,029.29
		$ (22,711.78)
TRANSFERS TO OTHER FUNDS		
TRANSFER TO R.S.O.		220,050.00
NET INCOME (LOSS) FOR PERIOD		$ (242,761.78)

SCHEDULE F-12

CAMPUS CENTER M & O FUND
BALANCE SHEET
AS OF JUNE 30, 1973

ASSETS		
CURRENT ASSETS:		
CASH IN BANK	$(109,496.39)	
CASH ON HAND	15,250.00	
PETTY CASH	50.00	
CASH IN TRANSIT	7,479.18	
ACCOUNTS RECEIVABLE - TRADE ACCOUNTS	53,527.90	
ACCOUNTS RECEIVABLE - MISCELLANEOUS	17,380.26	
INVENTORY - UNION NEWS & SWEET SHOP	4,464.10	
TOTAL CURRENT ASSETS		$(11,344.95)
FIXED ASSETS:		
EDUCATION, TECH. & REC. EQUIPMENT	$ 10,679.31	
COMMUNICATIONS EQUIPMENT	704.05	
PLANT, SHOP & OPERATIONAL EQUIPMENT	6,701.06	
OFFICE EQUIPMENT	65,302.20	
HOUSEKEEPING & LAUNDRY EQUIPMENT	67,277.70	
BUILDING CAPITAL OUTLAY	6,829.27	
TOTAL FIXED ASSETS		157,493.59
PLANT FUNDS:		
RENEWAL & REPLACEMENTS - CASH		27,000.00
TOTAL ASSETS		$173,148.64
LIABILITIES & CAPITAL		
CURRENT LIABILITIES:		
ACCOUNTS PAYABLE - TRADE	$ 51,987.96	
ACCRUED PAYROLL	12,732.76	
SALES TAX - UNION NEWS	24.16	
TOTAL CURRENT LIABILITIES		$ 64,744.88
PLANT FUNDS:		
RENEWAL & REPLACEMENT FUND BALANCES		27,000.00
CAPITAL:		
RETAINED EARNINGS:		
BALANCE JULY 1, 1972	$ 328,678.57	
NET LOSS FOR PERIOD	(242,761.78)	
ADJUSTMENTS	(4,513.03)	
ADJUSTED RETAINED EARNINGS JUNE 30, 1973		81,403.76
TOTAL LIABILITIES AND CAPITAL		$173,148.64

SCHEDULE F-13

CAMPUS CENTER - PROJECT #11 - ACCOMMODATIONS SERVICES
INCOME STATEMENT
FOR THE PERIOD ENDED JUNE 30, 1973

SALES		
ROOM SALES	$339,044.58	
LESS: REFUND OF RECEIPTS	1,988.58	
		$337,056.00
OTHER DEPARTMENTAL INCOME		
TELEPHONE	$ 19,648.96	
LAUNDRY	20,839.46	
MISCELLANEOUS	1,287.50	
		41,775.92
TOTAL SALES		$378,831.92
OPERATING EXPENSES		
PAYROLL - PERMANENT EMPLOYEES	$ 72,211.97	
PAYROLL - OVERTIME	948.93	
PAYROLL - STUDENT HOURLY	51,939.82	
PAYROLL - NON-STUDENT HOURLY	6,808.33	
CLOTHING (UNIFORMS)	9,347.73	
BLANKETS, LINENS, ETC.	33,682.33	
CLEANING, LAVATORY, ETC. SUPPLIES	4,278.95	
OTHER HOUSEKEEPING SUPPLIES AND EXPENSES	553.74	
TRAVEL EXPENSES (FARES, HOTELS, MEALS)	169.20	
TRAVEL EXPENSES (PRIVATE AUTO MILEAGE)	77.64	
ADVERTISING	727.00	
OUTSIDE SERVICES FOR REPRODUCTION	166.57	
PRINTING AND BINDING	159.91	
MAINTENANCE & REPAIR CONTRACT SERVICES	340.02	
MAINTENANCE REPAIR MATERIAL	333.18	
EDUCATIONAL SUPPLIES - DUPLICATING	4.87	
STATE EMPLOYEES GROUP INSURANCE	3,133.35	
OTHER SUPPLIES AND EXPENSES	1,995.41	
POSTAGE	870.80	
STATIONERY, OFFICE AND ADMINISTRATIVE SUPPLIES	5,772.10	
OTHER ADMINISTRATIVE EXPENSES	184.72	
CREDIT CARD DISCOUNTS	2,089.32	
TELEPHONE	25,382.93	
VEHICLE RENTAL	47.17	
SPACE RENTALS	313.59	
OTHER RENTALS	13,303.43	
PROVISION FOR RENEWALS & REPLACEMENT	6,500.00	
TOTAL OPERATING EXPENSES		241,343.01
NET INCOME (LOSS) FOR PERIOD		$137,488.91

SCHEDULE F-14

CAMPUS CENTER - PROJECT #11 - ACCOMMODATIONS SERVICES
BALANCE SHEET
AS OF JUNE 30, 1973

ASSETS		
CURRENT ASSETS:		
CASH IN BANK	$126,579.53	
CASH ON HAND	1,400.00	
CASH IN TRANSIT	8,413.11	
ACCOUNTS RECEIVABLE	57,309.66	
TOTAL CURRENT ASSETS		$193,702.30
FIXED ASSETS:		
DUPLICATING EQUIPMENT	$ 296.00	
GENERAL OFFICE EQUIPMENT	10,748.89	
HOUSEKEEPING EQUIPMENT	4,551.82	
TOTAL FIXED ASSETS		15,596.71
PLANT FUNDS:		
RENEWAL & REPLACEMENT - CASH		6,500.00
TOTAL ASSETS		$215,799.01
LIABILITIES & CAPITAL		
CURRENT LIABILITIES:		
ACCOUNTS PAYABLE	$ 8,683.68	
PREPAID RESERVATIONS	1,003.00	
ACCRUED PAYROLL	1,128.84	
OTHER LIABILITIES	28,972.91	
TOTAL CURRENT LIABILITIES		$ 39,788.43
PLANT FUNDS:		
RENEWAL & REPLACEMENT FUND BALANCES		6,500.00
CAPITAL:		
RETAINED EARNINGS:		
BALANCE JULY 1, 1972	$ 35,395.69	
NET INCOME FOR PERIOD	137,488.91	
ADJUSTMENTS	(3,374.02)	
ADJUSTED RETAINED EARNINGS JUNE 30, 1973		169,510.58
TOTAL LIABILITIES AND CAPITAL		$215,799.01

SCHEDULE F-15

CAMPUS CENTER - PROJECT #11 - PARKING GARAGE
INCOME STATEMENT
FOR THE PERIOD ENDED JUNE 30, 1973

SALES			
REVENUE - PERMANENT	$ 14,553.40		
REVENUE - TRANSIENT CARS	115,338.42		
REVENUE - HOTEL GUESTS	14,476.39		
REVENUE - SIXTH LEVEL	1,365.00	$145,733.21	
LESS: REFUND OF RECEIPTS		15.00	
TOTAL NET SALES			$145,718.21
OPERATING EXPENSES			
PAYROLL - PERMANENT EMPLOYEES		$ 23,961.24	
PAYROLL - OVERTIME		243.98	
PAYROLL - OTHER PROFESSIONAL SERVICES - CONTRACT		600.00	
PAYROLL - STUDENT HOURLY		20,103.51	
PAYROLL - NON-STUDENT HOURLY		1,761.55	
CLOTHING (UNIFORMS)		292.96	
CLEANING, LAVATORY, ETC. SUPPLIES		59.64	
AUTOMOTIVE SUPPLIES		45.00	
TRAVEL EXPENSES (PRIVATE AUTO MILEAGE)		8.65	
ADVERTISING		595.30	
PRINTING AND BINDING		.36	
MAINTENANCE & REPAIR CONTRACT SERVICES		2,250.02	
MAINTENANCE REPAIR MATERIAL		1,276.72	
DAMAGE CLAIMS		109.46	
STATE EMPLOYEES GROUP INSURANCE		674.55	
OTHER SUPPLIES AND EXPENSES		32.38	
STATIONERY, OFFICE & ADMINISTRATIVE SUPPLIES		674.68	
TELEPHONE		130.63	
LOAN INTEREST		2,322.81	
DEBT SERVICE		141,336.63	
TOTAL EXPENSES			196,480.07
NET INCOME (LOSS) FOR PERIOD			$(50,761.86)

SCHEDULE F-16

CAMPUS CENTER - PROJECT #11 - PARKING GARAGE
BALANCE SHEET
AS OF JUNE 30, 1973

ASSETS			
CURRENT ASSETS:			
CASH IN BANK	$42,318.39		
CASH ON HAND	100.00		
CASH IN TRANSIT	1,239.70		
ACCOUNTS RECEIVABLE	2,210.00		
TOTAL CURRENT ASSETS		$ 45,868.09	
FIXED ASSETS:			
PLANT, SHOP & OPER. EQUIPMENT	820.00		
OFFICE EQUIPMENT	5,045.26		
TOTAL FIXED ASSETS		5,865.26	
TOTAL ASSETS			$51,733.35
LIABILITIES & CAPITAL			
CURRENT LIABILITIES:			
ACCOUNTS PAYABLE		$ 375.00	
ACCRUED PAYROLL		407.71	
LOANS PAYABLE		100,000.00	
TOTAL CURRENT LIABILITIES			$100,782.71
CAPITAL:			
RETAINED EARNINGS:			
BALANCE JULY 1, 1972	$ 1,506.75		
NET LOSS FOR PERIOD	(50,761.86)		
ADJUSTMENT	205.75		
ADJUSTED RETAINED EARNINGS JUNE 30, 1973			(49,049.36)
TOTAL LIABILITIES AND CAPITAL			$ 51,733.35

SCHEDULE F-17

CAMPUS CENTER - PROJECT #11 - STUDENT FEE REVENUE ACCOUNT
STATEMENT
FOR THE PERIOD ENDED JUNE 30, 1973

BALANCE - JULY 1, 1972		$ 40,219.25
REVENUE		
STUDENT FEES (@ $31.50/STUDENT/SEMESTER)	$1,398,336.63	
LESS: REFUNDS & ADJUSTMENTS	23,726.49	
	1,374,610.14	
INTEREST INCOME	22,143.95	
		1,396,754.09
TOTAL REVENUE		$1,436,973.34
OPERATING EXPENSES		
CAMPUS CENTER DEBT SERVICE		602,540.37 (1)
		$ 834,432.97
TRANSFERS TO OTHER FUNDS		
TRANSFER TO CAMPUS CENTER M & O ACCOUNT		794,007.42
BALANCE - JUNE 30, 1973		$ 40,425.55

(1) Total debt service payment of $743,877.00 made on 12/15/72. Parking Garage portion of this payment amounted to $141,336.63 and the Campus Center portion amounted to $602,540.37.

SCHEDULE G-1

INVENTORY OF BUILDINGS AND STRUCTURES

BUILDING NUMBER	CONSTRUCTED	LOCATION	DESCRIPTION	ASSESSED VALUATION JUNE 30, 1973
4	1949	AMHERST	BROOKS HOUSE (DORMITORY)	$ 292,922.00
5	1940	AMHERST	BUTTERFIELD HALL (DORMITORY)	232,598.00
6	1947	AMHERST	CHADBOURNE HOUSE (DORMITORY)	260,000.00
7	1948	AMHERST	BERKSHIRE HOUSE (ADMINISTRATION)	165,266.00
8	1948	AMHERST	HAMPSHIRE HOUSE (ADMINISTRATION)	165,266.00
9	1948	AMHERST	MIDDLESEX HOUSE (ADMINISTRATION)	163,800.00
24	1946	AMHERST	GREENOUGH HOUSE (DORMITORY)	260,000.00
25	1949	AMHERST	HAMLIN HOUSE (DORMITORY)	292,921.00
26	1949	AMHERST	KNOWLTON HOUSE (DORMITORY)	292,921.00
28	1940	AMHERST	LEWIS HOUSE (DORMITORY)	177,019.00
29	1948	AMHERST	MILLS HOUSE (DORMITORY)	375,000.00
30	1935	AMHERST	THATCHER HOUSE (DORMITORY)	193,950.00
31	1949	AMHERST	UNIVERSITY APARTMENTS	437,429.00
38	1869	AMHERST	BLAISDELL HOUSE	4,000.00
48	1947	AMHERST	BROODER HOUSE	100.00
49	1947	AMHERST	BROODER HOUSE	100.00
50	1947	AMHERST	BROODER HOUSE	100.00
51	1947	AMHERST	BROODER HOUSE	100.00
52	1914	AMHERST	MILKER'S BUNGALOW HOUSE	2,100.00
53	1910	AMHERST	HARLOW HOUSE	2,550.00
54	1922	AMHERST	HILTON HOUSE	9,400.00
55	1922	AMHERST	HILTON GARAGE	300.00
57	1884	AMHERST	PRESIDENT'S HOUSE	19,000.00
58	1955	AMHERST	MONTAGUE HOUSE	8,000.00
59	1939	AMHERST	TILLSON GARAGE	384.00
60	1926	AMHERST	TILLSON HOUSE	6,714.00
61	1867	AMHERST	HOMESTEAD HOUSE	14,800.00
62	1867	AMHERST	STOCKBRIDGE HOUSE	9,100.00
63	1911	AMHERST	WAITING STATION (SHELTER)	500.00
65	1961	AMHERST	KILN	2,500.00
66	1918	SUNDERLAND	SHED	1,500.00
67	1918	SUNDERLAND	HOUSE	3,000.00
68	1961	PELHAM	RADIO STATION	1,500.00
70	1929	AMHERST	GARAGE	2,500.00
71	1918	AMHERST	GROUNDS TOOL SHED & GARAGE	245.00
72	1953	AMHERST	ANIMAL ISOLATION LABORATORY	98,500.00
73	1957	AMHERST	THAYER LABORATORY	50,000.00
74	1911	AMHERST	APIARY LABORATORY	3,000.00
76	1959	AMHERST	POWER SUPPLY FACILITY	3,432,764.00
77	1937	AMHERST	BOWDITCH LODGE	50,000.00
79	1950	AMHERST	POLICE STATION GARAGE	63,800.00
80	1885	AMHERST	CHAPEL - CLASSROOMS	76,288.00
82	1959	AMHERST	GOESSMANN CLASSROOMS & LABORATORY	2,896,900.00
83	1907	AMHERST	CLARK HALL CLASSROOMS & LABORATORY	67,400.00
84	1907		GREENHOUSE	
85	1953	AMHERST	WORCESTER DINING COMMONS	985,300.00
86	1961	AMHERST	WORCESTER DINING COMMONS (ADDITION)	504,475.00
87	1903	AMHERST	DRAPER HALL CLASSROOMS	296,529.00
88	1947		DRAPER HALL - ANNEX (STORAGE)	
89	1889	AMHERST	EAST EXPERIMENT STATION LABORATORY	14,000.00
90	1949	AMHERST	SHADE TREE LABORATORY	23,400.00
91	1949	AMHERST	GUNNESS LABORATORY	374,500.00
92	1950	AMHERST	ENGINEERING CLASSROOMS	1,120,753.00
93	1949	AMHERST	ENGINEERING ANNEX - CLASSROOMS	118,500.00
94	1915	AMHERST	ENGINEERING SHOPS - CLASSROOMS & LABS.	28,550.00
95	1933	HADLEY	FARLEY 4-H LODGE	50,000.00
96	1955	AMHERST	DURFEE GREENHOUSES	69,684.00
97	1910	AMHERST	FERNALD HALL - LABORATORY	80,000.00
98	1910	AMHERST	FERNALD HALL GREENHOUSE	825.00
99	1911	AMHERST	FISHER COLD STORAGE	24,616.00
100	1912	AMHERST	FLINT LABORATORY	210,723.00

SCHEDULE G-1 (CONTINUED)

INVENTORY OF BUILDINGS AND STRUCTURES

BUILDING NUMBER	CONSTRUCTED	LOCATION	DESCRIPTION	ASSESSED VALUATION JUNE 30, 1973
101	1930	AMHERST	CHENOWETH LABORATORY	$ 69,966.00
103	1867	AMHERST	FORESTRY - CLASSROOMS & LABORATORY	2,590.00
104	1909	AMHERST	FRENCH HALL - CLASSROOMS & LABORATORY	74,356.00
105	1908	AMHERST	FRENCH HALL GREENHOUSE	25,500.00
106	1915	AMHERST	HOSPITALS	34,300.00
107	1960	AMHERST	BARTLETT - CLASSROOMS & LABORATORY	2,181,125.00
109	1931	AMHERST	STORAGE - LUMBER	2,150.00
110	1923	AMHERST	TILLSON STORAGE	1,574.00
111	1957	AMHERST	MACHMER HALL - CLASSROOMS	967,578.00
112	1947	AMHERST	MARSHALL ANNEX - CLASSROOMS	68,459.00
113	1915		MARSHALL HALL - CLASSROOMS & LABS.	
115	1920	AMHERST	MEMORIAL HALL - CLASSROOMS	107,425.00
116	1898	AMHERST	MUNSON HALL - ADMINISTRATION	70,127.00
117	1899		MUNSON ANNEX - ADMINISTRATION	
118	1891	AMHERST	HATCH - CLASSROOMS & LABORATORIES	19,374.00
120	1950	AMHERST	PAIGE LABORATORY	487,500.00
121	1931	AMHERST	HICKS - PHYSICAL EDUCATION (MEN)	287,500.00
122	1931		HICKS - PHYSICAL EDUCATION (MEN)	
123	1959	AMHERST	PHYSICAL EDUCATION (WOMEN)	1,716,581.00
124	1950	AMHERST	HASBROUCK - CLASSROOMS & LABORATORIES	501,000.00
125	1907	AMHERST	PHOTOGRAPHY LABORATORY	12,000.00
126	1959	AMHERST	PUBLIC HEALTH - CLASSROOMS & LABORATORIES	1,360,800.00
127	1960	AMHERST	MORRILL SCIENCE I - CLASSROOMS & LABS.	1,941,020.00
128	1948	AMHERST	SKINNER HALL - CLASSROOMS & LABORATORIES	596,700.00
129	1885	AMHERST	SOUTH COLLEGE ADMINISTRATION	100,300.00
130	1912	AMHERST	STOCKBRIDGE - CLASSROOMS & LABORATORIES	417,066.00
132	1960	AMHERST	DICKINSON HALL - CLASSROOMS & LABS.	468,105.00
133	1918	AMHERST	POWER SUPPLY FACILITY	17,665.00
134	1952	AMHERST	POWER SUPPLY FACILITY	263,615.00
135	1959	AMHERST	BOWDITCH - CLASSROOMS & LABORATORIES	293,500.00
136	1911	AMHERST	GRINNELL ARENA	38,000.00
137	1929		ABATTOIR SLAUGHTER HOUSE	
139	1950		STORAGE - MAINTENANCE	
141	1931	AMHERST	TICKET BOOTH ATHLETIC	500.00
145	1956	AMHERST	POULTRY HOUSE	800.00
146	1955	AMHERST	POULTRY HOUSE	600.00
147	1956	AMHERST	POULTRY HOUSE	800.00
148	1947	AMHERST	BROODER HOUSE	100.00
151	1923	AMHERST	POULTRY HOUSE	500.00
152	1923	AMHERST	POULTRY HOUSE	500.00
153	1957	AMHERST	BROODER HOUSE	100.00
154	1957	AMHERST	BROODER HOUSE	100.00
155	1957	AMHERST	BROODER HOUSE	100.00
157	1939	AMHERST	STORAGE	3,000.00
158	1947	AMHERST	BROODER HOUSE	5,000.00
159	1941	AMHERST	STORAGE	1,000.00
160	1959	AMHERST	POULTRY HOUSE	8,000.00
163	1947	AMHERST	BROODER HOUSE	100.00
164	1947	AMHERST	BROODER HOUSE	100.00
165	1947	AMHERST	SHELTERS	1,000.00
166	1894	AMHERST	HORSE BARN	5,000.00
168	1885	AMHERST	WEST EXPERIMENT STATION LABORATORY	27,000.00
169	1906	AMHERST	WILDER HALL CLASSROOMS	45,662.00
170	1960	AMHERST	MAINTENANCE - PHYSICAL PLANT	627,000.00
171	1934	AMHERST	GOODELL LIBRARY	1,940,873.00
172	1960		GOODELL LIBRARY - ADDITION	
173	1960	AMHERST	ORLYTE GREENHOUSE	500.00
177	1920	AMHERST	HORTICULTURE SHED	400.00
178	1933	AMHERST	HORTICULTURE SHED	1,254.00
179	1920	AMHERST	CENTER STORAGE SHED	800.00
181	1918	AMHERST	TRACTOR GARAGE	73.00
182	1911	AMHERST	BROODER HOUSE	3,100.00
184	1940	AMHERST	POULTRY HOUSE	10,000.00
185	1918	AMHERST	TOOL SHED	98.00

SCHEDULE G-1 (CONTINUED)

INVENTORY OF BUILDINGS AND STRUCTURES

BUILDING NUMBER	CONSTRUCTED	LOCATION	DESCRIPTION	ASSESSED VALUATION JUNE 30, 1973
186	1915	AMHERST	POULTRY HOUSE	$ 50.00
187	1915	AMHERST	SHED	100.00
188	1914	AMHERST	POULTRY HOUSE	1,250.00
189	1910	AMHERST	DAIRY BUILDING	33,211.00
190	1910		DAIRY BUILDING	
191	1958		SILO	
192	1958	AMHERST	HARVESTORE SILO	2,000.00
193	1941	AMHERST	BARN	4,000.00
194	1910	AMHERST	MACHINERY SHOP	4,000.00
195	1928	AMHERST	FARM HORSE BARN	6,194.00
196	1938	AMHERST	DAIRY BARN	8,000.00
197	1909	AMHERST	DAIRY BARN	6,500.00
198	1939	AMHERST	YOUNG STOCK BARN	36,837.00
199	1939	AMHERST	SILO	200.00
200	1939	AMHERST	SILO	200.00
201	1939	AMHERST	BEEF BARN UNIT - BARN	5,500.00
202	1939	AMHERST	SILO	200.00
203	1939	AMHERST	YOUNG STOCK HAY BARN	5,000.00
204	1922	AMHERST	BULL BARN	14,041.00
205	1933	AMHERST	BARN	500.00
206	1927	AMHERST	SHEDS	50.00
207	1929	AMHERST	BROOKS POULTRY HOUSE	200.00
209	1924	AMHERST	BROOKS TOBACCO SHED	3,000.00
210	1957	AMHERST	BROODER HOUSE	100.00
211	1958	AMHERST	POULTRY HOUSE	2,500.00
212	1958	AMHERST	POULTRY HOUSE	2,500.00
213	1951	AMHERST	COMFORT STATION	20.00
214	1926	WALTHAM	LABORATORY	430,850.00
215	1928		LABORATORY	
216	1934		LABORATORY	
217	1957		GREENHOUSE	
218	1924		BARN	
219	1924		SHED	
220	1924		LABORATORY	
221	1924		HOUSE	
222	1924		BARNS	
223	1924		GREENHOUSE	
224	1929		GREENHOUSE	
225	1950		SHED	
226	1929		GREENHOUSE	
227	1935		PROPAGATING BUILDING	
228	1959		GREENHOUSE	
229	1949		ADMINISTRATION	
230	1949		POWER SUPPLY FACILITY	
231	1924		GARAGE	
232	1924		POULTRY HOUSE	
233	1952	E. WAREHAM	LABORATORY	139,460.00
234	1957		GARAGE	
234	1957		SHOP	
235	1926		PUMPING STATION	
236	1955		LABORATORY	
237	1957		GREENHOUSE	
238	1958		PUMPING STATION	
239	1960		LABORATORY	
240	1960		STORAGE	
241	1920	AMHERST	POMOLOGY GARAGE	3,185.00
242	1951	AMHERST	POULTRY HOUSE	4,127.00
243	1958	AMHERST	POULTRY HOUSE	7,148.00
244	1958	AMHERST	POULTRY HOUSE	7,147.00
245	1950	AMHERST	POULTRY HOUSE	7,675.00
246	1947	AMHERST	BROODER HOUSE	100.00
247	1947	AMHERST	BROODER HOUSE	100.00
248	1947	AMHERST	BROODER HOUSE	100.00
249	1947	AMHERST	BROODER HOUSE	100.00

SCHEDULE G-1 (CONTINUED)

INVENTORY OF BUILDINGS AND STRUCTURES

BUILDING NUMBER	CONSTRUCTED	LOCATION	DESCRIPTION	ASSESSED VALUATION JUNE 30, 1973
250	1947	AMHERST	BROODER HOUSE	$ 100.00
251	1947	AMHERST	BROODER HOUSE	100.00
252	1947	AMHERST	BROODER HOUSE	100.00
253	1947	AMHERST	BROODER HOUSE	100.00
254	1957	AMHERST	BROODER HOUSE	100.00
255	1957	AMHERST	BROODER HOUSE	100.00
256	1957	AMHERST	BROODER HOUSE	100.00
257	1957	AMHERST	BROODER HOUSE	100.00
258	1957	AMHERST	BROODER HOUSE	100.00
259	1927	AMHERST	OPEN CORN CRIB SHED	100.00
260	1927	AMHERST	OPEN CORN CRIB SHED	100.00
261	1927	AMHERST	OPEN CORN CRIB SHED	100.00
262	1927	AMHERST	OPEN CORN CRIB SHED	100.00
263	1927	AMHERST	OPEN CORN CRIB SHED	100.00
264	1927	AMHERST	OPEN CORN CRIB SHED	100.00
265	1920	SO. DEERFIELD	HOUSE	27,950.00
268	1948		STORAGE	
269	1947		STORAGE	
270	1939		STORAGE	
271	1946		STORAGE	
273	1941		STORAGE	
274	1935		STORAGE	
275	1947		STORAGE	
276	1933		STORAGE	
278	1922	BELCHERTOWN	HOUSE	21,400.00
279	1920		BARN	
280	1920		BARN	
281	1920		STORAGE	
282	1920		SHED	
289	1962	AMHERST	MARKS MEADOW - LABORATORY	1,844,690.00
290	1962	AMHERST	CLASSROOMS & LABORATORY - MORRILL SCIENCE CENTER III	1,452,177.00
291	1962	AMHERST	INFIRMARY	961,459.00
292	1962	AMHERST	COLD STORAGE	641,191.00
293	1962	AMHERST	CLASSROOM & LABS. - ENGINEERING & PHYSICS	682,187.00
296	1963	AMHERST	HOLDSWORTH - CLASSROOM & LABORATORY	1,213,340.00
297	1910	AMHERST	HOUSE - BIGELOW	3,600.00
298	1910	AMHERST	BARN - BIGELOW	600.00
299	1910		POULTRY HOUSE - BIGELOW	
300	1910		GARAGE - BIGELOW	
309	1910	AMHERST	HOUSE - WYSOCKI	3,250.00
310	1910	AMHERST	BARN - WYSOCKI	1,250.00
311	1910		SHED - WYSOCKI	
312	1910		SHED - WYSOCKI	
313	1959	NANTUCKET	HOUSE	3,500.00
314	1961	NANTUCKET	GARAGE	700.00
315	1959	NANTUCKET	APARTMENT	1,200.00
315	1959		GARAGE	
316	1953	NANTUCKET	BEACH HOUSE	600.00
317	1963	AMHERST	CLASSROOMS & LAB. - BUSINESS ADMIN.	1,412,091.00
318	1963	AMHERST	CLASSROOMS & LAB. - HASBROUCK ADDITION	1,899,019.00
319	1963	AMHERST	BOYDEN GYMNASIUM	2,718,112.00
320	1949	AMHERST	HOUSE - HOLMES	4,000.00
321	1920		BARN - HOLMES	
322	1920		BARN - HOLMES	
328	1963	HADLEY	SHED	600.00
329	1965	AMHERST	AUDITORIUM - MAHAR	231,117.00
335	1965	AMHERST	OBSERVATORY	10,000.00
336	1965	AMHERST	MOBILE CLASSROOM	8,265.00
337	1965	AMHERST	MOBILE CLASSROOM	8,265.00
338	1965	AMHERST	MOBILE CLASSROOM	8,265.00
339	1965	AMHERST	MOBILE CLASSROOM	8,265.00
340	1965	AMHERST	MOBILE CLASSROOM	8,265.00

SCHEDULE G-1 (CONTINUED)

INVENTORY OF BUILDINGS AND STRUCTURES

BUILDING NUMBER	CONSTRUCTED	LOCATION	DESCRIPTION	ASSESSED VALUATION JUNE 30, 1973
341	1965	AMHERST	GREENHOUSE (ORLYTE)	$ 18,664.00
342	1965	AMHERST	KILN	14,500.00
343	1966	AMHERST	CLASSROOMS & LAB. - ENGINEERING EAST	1,340,133.00
344	1966	AMHERST	CLASSROOMS & LAB. - CHENOWETH ADDITION	1,372,637.00
347	1966	AMHERST	CLASSROOMS & LAB. - MORRILL SCIENCE IV	3,473,955.00
358	1966	AMHERST	COAL HANDLING FACILITIES	231,764.00
377	1967	AMHERST	MAPLE DECLINE LABORATORY	2,500.00
383	1967	AMHERST	POULTRY #1 TILLSON	343,393.00
384	1967	AMHERST	POULTRY #2 TILLSON	
385	1967	AMHERST	POULTRY #3 TILLSON	
386	1967	AMHERST	POULTRY #4 TILLSON	
387	1967	AMHERST	CLASSROOMS & LAB. - AGRICULTURAL ENG.	320,700.00
388	1967	AMHERST	WHITMORE ADMINISTRATION	2,758,334.00
394	1920	AMHERST	DZUIBA HOUSE	6,170.00
395	1920	AMHERST	DZUIBA - GARAGE	1,980.00
396	1965	AMHERST	DZUIBA - POOL	1,540.00
397	1968	AMHERST	STORAGE - FLAMMABLE	1,337,804.00
398	1968	AMHERST	STORAGE - PHYSICAL PLANT	
398	1968	AMHERST	ADMINISTRATION - PHYSICAL PLANT	
403	1968	AMHERST	CLASSROOMS & LABORATORY - ASTRONOMY	205,000.00
404	1968	AMHERST	TILLSON SHED - SHEEP	11,000.00
405	1968	AMHERST	ADMINISTRATION - THOMPSON	2,728,640.00
406	1968	AMHERST	CLASSROOMS AND LABORATORY - HERTER	3,428,448.00
407	1925	AMHERST	HOUSE - DICKINSON	12,920.00
408	1925	AMHERST	GARAGE - DICKINSON	1,370.00
409	1968	AMHERST	SAWMILL - TILLSON	8,000.00
412	1971	AMHERST	GRADUATE RESEARCH CENTER	14,441,687.00
415	1972	AMHERST	OFFICE - TOBIN HALL	5,853,127.00
416	1973	AMHERST	POWER PLANT - TILLSON	3,300,220.00
417	1972	AMHERST	LIBRARY	14,441,180.00
422	1968	AMHERST	STORAGE - LUMBER - PHYSICAL PLANT	10,000.00
423	1968	AMHERST	TANK - WATER	75,000.00
424	1928	AMHERST	HOUSE - MCINTIRE	12,100.00
425	1958	AMHERST	HOUSE - WASKIEWICZ	8,000.00
429	1971	AMHERST	SWITCHGEAR BUILDING	75,000.00
430	1969	AMHERST	GUARD HOUSE - TRAFFIC CONTROL #1	4,000.00
431	1969	AMHERST	GUARD HOUSE - TRAFFIC CONTROL #2	4,000.00
432	1969	AMHERST	GUARD HOUSE - TRAFFIC CONTROL #3	4,000.00
433	1969	AMHERST	GUARD HOUSE - TRAFFIC CONTROL #4	4,000.00
434	1969	AMHERST	GUARD HOUSE - TRAFFIC CONTROL #5	4,000.00
435	1969	AMHERST	GUARD HOUSE - TRAFFIC CONTROL #6	4,000.00
436	1972	BELCHERTOWN	APPLE STORAGE BUILDING	337,154.00
443	1971	HADLEY	STORAGE - SAND & SALT	7,000.00
496	1971	HADLEY	SEWERAGE FACILITY	20,000.00
497	1971	AMHERST	PACKAGE BOILER PLANT	471,000.00
498	1920	AMHERST	HOUSE - NELSON	8,290.00
499	1960	AMHERST	HOUSE - NELSON	25,840.00
500	1972	AMHERST	LAUNDRY BUILDING NORTH VILLAGE	
501	1960	AMHERST	GARAGE - NELSON	1,980.00
507	1920	AMHERST	BARN & STABLE - NELSON	1,510.00
508	1973	AMHERST	GREENHOUSE - MORRILL	217,796.00
509	1973	AMHERST	FACULTY CLUB ADDITION	47,955.00
511	1973	HADLEY	BUS GARAGE	48,863.00
512	1973	SO. DEERFIELD	DAIRY ANIMAL RESEARCH	643,071.00
513	1973	AMHERST	TRAILER - INFIRMARY	3,200.00
514	1973	AMHERST	TRAILER - INFIRMARY	3,200.00
				$100,457,656.00

SCHEDULE G-2

UNIVERSITY OF MASS. BUILDING ASSOCIATION

CONSTRUCTED	LOCATION	DESCRIPTION	CONSTRUCTION COST
1952	AMHERST	BAKER	$ 800,289.00
1953	AMHERST	CRABTREE	373,645.00
1953	AMHERST	LEACH	373,645.00
1953	AMHERST	UNIVERSITY GARAGE (18 GARAGES)	20,000.00
1954	AMHERST	ARNOLD	477,479.00
1955	AMHERST	VAN METER	398,840.00
1957	AMHERST	VAN METER ADDITION	604,845.00
1958	AMHERST	WHEELER	552,798.00
1958	AMHERST	LINCOLN APTS. (BLDGS. 1,2,3,4,6,7,8, 9 & 10)	1,018,990.00
1960	AMHERST	LINCOLN APTS. (BLDGS. 5 & 11)	271,225.00
1960	AMHERST	MARY LYON	528,267.00
1960	AMHERST	MINNIE R. DWIGHT	532,995.00
1960	AMHERST	ANNA JOHNSON	542,914.00
1960	AMHERST	HENRY FRANCIS HILLS	1,324,902.00
			$7,820,834.00

SCHEDULE G-3

UNIVERSITY OF MASS. BUILDING AUTHORITY

CONSTRUCTED	LOCATION	DESCRIPTION	CONSTRUCTION COST
1964	AMHERST	PROJECT #1 - BRETT, GORMAN	$ 1,792,678.00
1965	AMHERST	PROJECT #2 - DICKINSON, FIELD, GRAYSON, WEBSTER	4,611,927.00
1965	AMHERST	PROJECT #3 - FRANKLIN DINING COMMONS	1,452,964.00
1966	AMHERST	PROJECT #4 - EMERSON, THOREAU, COOLIDGE, JAMES, MELVILLE, KENNEDY	7,185,731.00
1966	AMHERST	PROJECT #4 - ALUMNI STADIUM	1,158,000.00
1966	AMHERST	PROJECT #5 - HAMPSHIRE DINING COMMONS	2,700,000.00
1967	AMHERST	PROJECT #6 - JOHN Q. ADAMS, JOHN ADAMS, GEORGE WASHINGTON	6,820,800.00
1967	AMHERST	PROJECT #7 - HAMDEN DINING COMMONS	2,200,000.00
1968	AMHERST	PROJECT #8 - PATTERSON, MACKIMMIE, CRAMPTON, PRINCE	5,650,000.00
1969	AMHERST	PROJECT #9 - BERKSHIRE DINING COMMONS	2,375,000.00
1969	AMHERST	PROJECT #10 - CANCE, MOORE, PIERPONT,	4,700,000.00
1970	AMHERST	PROJECT #11 - STUDENT UNION LINCOLN CENTER PARKING GARAGE	21,030,000.00*
1971	AMHERST	PROJECT #12 - BROWN, CASHIN, MCNAMARA	10,350,000.00
1971	AMHERST	PROJECT #13 - APARTMENT BUILDINGS NORTH VILLAGE	4,000,000.00
			$76,027,100.00

*TEMPORARY FINANCING - (INCLUDES ACQUISITION OF STUDENT UNION BUILDING)

SCHEDULE G-4

INVENTORY OF LAND

LOCATION	ACREAGE	ASSESSED VALUATION JUNE 30, 1973
AMHERST	792.9	$3,507,040.00
HADLEY	438.0	279,029.00
AMHERST	46.0	197,800.00
PELHAM	.5	100.00
PELHAM	1,196.0	20,000.00
BELCHERTOWN	218.0	17,210.00
BELCHERTOWN	4.0	100.00
SUNDERLAND	726.2	17,600.00
LEVERETT	28.8	270.00
EAST WAREHAM	28.6	72,310.00
WALTHAM	58.8	362,650.00
SOUTH DEERFIELD	363.7	21,020.00
NANTUCKET ISLAND	107.0	13,000.00
	4,008.5	$4,508,129.00

SCHEDULE G-5

INVENTORY OF IMPROVEMENTS OTHER THAN BUILDINGS

	BOOK VALUE JUNE 30, 1973
ROADS, SIDEWALKS AND PARKING AREAS	$3,224,671.88
SEWER, WATER AND DRAINAGE SYSTEM	2,485,234.46
STEAM LINES	6,940,015.05
ELECTRICAL LINES	5,186,189.97
TENNIS COURTS & RUNNING TRACK	349,611.25
PLAYING FIELD	1,082,678.12
COAL HANDLING	444,852.43
TOTAL	$19,713,253.16

UNIVERSITY OF MASSACHUSETTS

at Boston

SCHEDULE A-9

COMPARATIVE STATEMENT OF FUNDS FORWARDED TO STATE TREASURER

ON ACCOUNT OF INCOME FROM FEES, SALES AND SERVICES

	1971		1972		1973	
INSTRUCTION						
TUITION	$762,779.69		$848,598.55		$1,239,454.38	
TUITION - SUMMER SCHOOL	79,160.00		67,987.00		91,545.25	
SALES	-0-		1,805.31		3,149.00	
		$841,939.69		$918,390.86		$1,334,148.63
OPERATION OF PLANT						
RENT	$ -0-		$ 941.17		$ 1,968.87	
MISCELLANEOUS	-0-		1,839.40		934.57	
		-0-		2,780.57		2,903.44
		$841,939.69		$921,171.43		$1,337,052.07

SCHEDULE A-10

STATE APPROPRIATION

COMPARATIVE STATEMENT BY SUBSIDIARY ACCOUNTS

SUBSIDIARY ACCOUNTS		1971	1972	1973
GENERAL MAINTENANCE				
7416-1001-01	SALARIES, PERMANENT POSITION	$5,078,754.00	$6,184,000.00	$7,714,774.00*
7416-1001-02	SALARIES, OTHER	20,000.00	30,000.00	115,300.00*
7416-1001-03	SERVICE, NON-EMPLOYEES	1,048,900.00	1,040,000.00	1,028,266.00
7416-1001-05	CLOTHING	-0-	-0-	1,300.00
7416-1001-06	HOUSEKEEPING SUPPLIES & EXPENSES	1,590.00	2,000.00	2,000.00
7416-1001-07	LABORATORY, MEDICAL & GENERAL CARE	3,180.00	3,500.00	3,360.00
7416-1001-08	HEAT & OTHER PLANT OPERATIONS	96,000.00	131,000.00	126,100.00
7416-1001-10	TRAVEL & AUTOMOTIVE EXPENSES	19,900.00	28,000.00	23,600.00
7416-1001-11	ADVERTISING & PRINTING	42,000.00	41,000.00	41,800.00
7416-1001-12	REPAIRS, ALTERATIONS & ADDITIONS	50,000.00	70,000.00	62,000.00
7416-1001-13	SPECIAL SUPPLIES & EXPENSES	244,000.00	258,000.00	316,700.00
7416-1001-14	OFFICE & ADMINISTRATIVE EXPENSES	111,000.00	140,000.00	202,000.00
7416-1001-15	EQUIPMENT	238,400.00	262,000.00	129,500.00
7416-1001-16	RENTALS	1,177,100.00	1,313,000.00	1,399,400.00
	TOTAL	$8,150,835.00	$9,502,500.00	$11,166,100.00
OTHER MAINTENANCE				
7416-4011-13	LIBRARY	$ 100,000.00	$ -0- **	$ -0-
7416-2000-03	DISADVANTAGED STUDENTS	37,400.00	-0- **	-0-
7416-2000-10	DISADVANTAGED STUDENTS	-0-	-0-	-0-
7416-2000-13	DISADVANTAGED STUDENTS	102,600.00	-0- **	-0-
7416-9102-12	RENOVATIONS	-0-	-0-	-0-
	TOTAL	$ 240,000.00	$ -0-	$ -0-
CAPITAL OUTLAY				
7416-9103-13	MOVING	$ -0-	$ -0-	$ 130,000.00
	TOTAL	$ -0-	$ -0-	$ 130,000.00
	GRAND TOTAL	$8,390,835.00	$9,502,500.00 ***	$11,296,100.00

*$134,077.07 for retroactive payroll (12/26/71 to 6/24/72) paid from State Reserve (1599-2013); not recorded as expense of University.
**AUTHORIZED BY CHAPTER 719 OF THE ACTS OF 1971
***SEE SCHEDULE A-1

SCHEDULE A-11

STATE GENERAL MAINTENANCE APPROPRIATIONS

SUMMARY OF EXPENDITURES BY FUNCTIONAL DIVISION & SUBSIDIARY ACCOUNT

ACCOUNT NAME & NUMBER		APPROPRIATION & ALLOTMENT	EXPENDITURES & ENCUMBRANCES ADMINISTRATION	INSTRUCTION	OPERATION OF PLANT	TOTAL EXPENDITURES & ENC.	REVERTED TO STATE TREASURER
GENERAL MAINTENANCE							
7416-1001-01	SALARIES, PERMANENT	$7,714,774.00	$1,107,662.25	$6,500,128.82	$101,211.97	$ 7,709,003.04	$ 5,770.96
7416-1001-02	SALARIES, OTHER	115,300.00	58,744.84	25,321.99	28,269.06	112,335.89	2,964.11
7416-1001-03	SERVICES, NON-EMPLOYEE	1,028,266.00	352,800.70	279,682.87	382,310.00	1,014,793.57	13,472.43
7416-1001-05	CLOTHING	1,300.00	-0-	-0-	1,277.31	1,277.31	22.69
7416-1001-06	HOUSEKEEPING SUPPLIES	2,000.00	915.36	-0-	1,040.52	1,955.88	44.12
7416-1001-07	LABORATORY, MEDICAL, GENERAL CARE	3,360.00	-0-	3,357.54	-0-	3,357.54	2.46
7416-1001-08	HEAT & OTHER PLANT OPERATIONS	126,100.00	5,000.00	-0-	121,065.00	126,065.00	35.00
7416-1001-10	TRAVEL & AUTOMOTIVE	23,600.00	12,113.69	7,396.80	3,772.75	23,283.24	316.76
7416-1001-11	ADVERTISING & PRINTING	41,800.00	39,598.81	2,114.51	-0-	41,713.32	86.68
7416-1001-12	REPAIRS, ALTERATIONS & ADDITIONS	62,000.00	15,562.62	11,529.74	34,361.23	61,453.59	546.41
7416-1001-13	SPECIAL SUPPLIES	316,700.00	130,151.29	185,017.27	549.81	315,718.37	981.63
7416-1001-14	OFFICE & ADMINISTRATIVE	202,000.00	100,627.94	98,951.19	1,569.76	201,148.89	851.11
7416-1001-15	EQUIPMENT	129,500.00	94,686.42	27,288.40	6,475.66	128,450.48	1,049.52
7416-1001-16	RENTAL	1,399,400.00	1,382,757.23	1,672.33	14,792.66	1,399,222.22	177.78
	TOTAL	$11,166,100.00	$3,300,621.15	$7,142,461.46	$696,695.73	$11,139,778.34	$26,321.66

SCHEDULE A-12

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	BOSTON BRANCH			
C01	OFFICE OF THE CHANCELLOR	152,243.66	10,636.65	162,880.33
C02	DEAN COLLEGE III	149,905.05	5,522.12	155,427.17
C03	INST FOR LEARNING & TEACH	38,574.59	4,367.36	42,941.95
C04	AFRO AMERICAN STUDIES	21,485.82	414.73	21,900.55
C05	OFFICE OF THE PRESIDENT	23,484.84	1,305.42	24,790.26
C06	COMPUTER FACILITIES	37,340.75	48,438.82	85,779.57
C07	DEAN COLLEGE 1	105,335.25	5,745.42	111,080.67
C08	DEAN COLLEGE 2	93,045.19	6,047.62	99,092.81
C09	CONTINUING EDUCATION		510.42	510.42
C10	DEAN OF FACULTY	100,425.87	5,441.01	105,866.88
C11	ADMISSIONS	93,648.56	11,241.48	104,890.04
C12	SPECIAL ADMISSIONS	21,636.95	2,158.59	23,795.54
C13	REGISTRAR	133,387.45	18,137.43	151,524.88
C14	TEACHER CERTIFICATION PROGRAM	46,372.66	2,050.52	48,423.18
C15	AUDIO-VISUAL CENTER	39,138.39	1,472.09	40,610.48
C16	SUMMER SCHOOL	101,108.21	243.88	101,352.09
C17	FACULTY SENATE	12,880.36	1,904.41	14,784.77
C18	DIRECTOR OF GRANTS AND EXTERNAL PROGRAMS	32,246.08	2,383.07	34,629.15
C19	COMMUNITY RELATIONS	24,525.59	3,201.94	27,727.53
C20	OFFICE OF THE VICE CHANCELLOR	29,293.66	3,257.91	32,551.57
C21	PLANNING AND DEVELOPMENT	72,032.61	1,557.80	73,590.41
C22	PHYSICAL PLANT	77,560.96	777.60	78,338.56
C23	BUSINESS AND FINANCIAL MANAGEMENT	71,138.00	1,497,341.43	1,568,479.43
C24	BURSAR	28,585.91	3,572.77CR	25,013.14
C25	PERSONNEL	52,733.97	5,772.80	58,506.77
C26	COLLEGE SUPPLY	12,623.49	4,046.11	16,669.60
C27	PURCHASING	54,666.19	3,359.23	58,025.42
C28	ACCOUNTING	65,343.74	6,214.48	71,558.22
C29	PROPERTY OFFICE	23,319.23	56,293.77	79,613.00
C30	PUBLIC RELATIONS	26,771.01	23,822.90	50,593.91
C31	CENTRAL DUPLICATING	14,816.32	18,725.37	33,541.69
C32	BUDGET OFFICE	25,975.93	701.58	26,677.51
C33	OFFICE OF AUXILIARY SERVICES	22,679.08	1,428.11	24,107.19
C34	TELEPHONE SERVICES	6,267.14	34,350.52	40,617.66
C35	POST OFFICE	15,669.43	10,123.05	25,792.48
C39	BOSTON BOOKSTORE	397.25	1,919.90	2,317.15
C40	STUDENT AFFAIRS	32,009.61	710.52	32,720.13
C41	HEALTH SERVICES		5,947.75	5,947.75
C42	STUDENT ACTIVITIES	126.84	492.45	619.29
C43	COUNSELING AND PLACEMENT	66,986.12	2,793.60	69,779.72
C44	FINANCIAL AID	27,105.35	1,656.40	28,761.75
C45	ADVISING	66,201.70	3,221.87	69,423.57
C46	UPWARD BOUND	8,943.27	920.82	9,864.09
C49	BLIND CENTER	10,210.50	963.26	11,173.76
C50	LIBRARY	347,022.25	33,161.59	380,183.84
C51	ART	159,266.36	15,114.72	174,381.08
C52	ENGLISH	312,146.25	7,716.87	319,863.12
C53	GERMAN	50,451.66	1,602.05	52,053.71
C54	MUSIC	18,761.03	2,885.34	21,646.37
C55	FRENCH	119,059.55	2,291.26	121,380.81
C56	ITALIAN		1.46	1.46
C57	SPANISH	75,007.09	1,628.85	76,635.94

SCHEDULE A-12

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
C58	RUSSIAN	63,645.51	1,377.66	65,023.17
C59	CLASSICS	99,524.26	1,257.38	100,781.64
C60	PHILOSOPHY	1,763.75	4.04	1,767.79
C61	ART	497.50		497.50
C62	ENGLISH	613,588.34	7,166.62	620,754.96
C63	GERMAN	107,130.85	1,248.21	108,379.06
C64	MUSIC	74,929.67	1,830.57	76,760.24
C65	FRENCH	187,072.65	2,459.81	189,532.46
C66	ITALIAN	84,142.86	1,341.66	85,484.52
C67	SPANISH	137,673.14	1,444.93	139,118.07
C68	RUSSIAN	76.50		76.50
C69	CLASSICS		1.40	1.40
C70	PHILOSOPHY	115,248.67	2,462.48	117,711.15
C71	THEATER ARTS	38,337.44	2,151.00	40,488.44
C72	THEATER ARTS	22,005.85	2,354.84	24,360.69
C73	PHYSICS		2.40	2.40
C75	BIOLOGY	168,677.77	34,810.79	203,488.56
C76	PHYSICS	347,317.64	41,784.99	389,102.63
C77	CHEMISTRY	315,831.80	47,880.17	363,711.97
C78	BIOLOGY	322,731.11	39,485.57	362,216.68
C79	ECONOMICS	68,527.59	2,352.08	70,879.67
C80	POLITICS	82,822.71	1,934.94	84,757.65
C81	ECONOMICS	129,393.98	2,510.20	131,904.18
C82	POLITICS	126,039.59	1,875.63	127,915.22
C83	HISTORY	398,879.88	5,491.45	404,371.33
C84	PSYCHOLOGY	260,389.56	4,962.34	265,351.90
C85	SOCIOLOGY	221,425.10	3,441.67	224,866.77
C86	HISTORY	210,926.74	4,523.32	215,450.06
C87	PSYCHOLOGY	159,903.73	5,892.94	165,796.67
C88	ANTHROPOLOGY	64,576.91	2,687.90	67,264.81
C89	MATHEMATICS	185,340.15	2,924.40	188,264.55
C90	MATHEMATICS	328,811.04	2,849.61	331,660.65
C91	MAINTENANCE	458,791.03	184,639.85	643,430.88
C93	SOCIOLOGY	140,273.50	2,646.28	142,919.78
C95	OFFICE OF EDUCATIONAL PLANNING	40,834.07	1,665.75	42,499.82
C96	UNIVERSITY RESERVE	53,000.00	34.85	53,034.85
C97	ANTHROPOLOGY	80,807.32	4,670.02	85,477.34
C98	PSYCHOLOGICAL JOURNAL	4,065.00	125.05	4,190.05
C99	ALUMNI ASSOCIATION	1,142.50	901.46	2,043.96
	DEPT TOTALS	8,836,132.50	2,303,645.84	11,139,778.34

SCHEDULE A-13

CAPITAL OUTLAY EXPENDITURES AND BALANCES

ACCOUNT NUMBER AND NAME		EXPIRE	TOTAL APPROPRIATION	EXPENDITURES PRIOR YEAR	EXPENDITURES CURRENT YEAR	REVERTED TO STATE TREASURER	BALANCE OF APPROPRIATION JUNE 30, 1973
7416-9103-13	MOVING	1974	$ 130,000.00	$ -0-	$ -0-	$ -0-	$130,000.00
7490-0107-00	LAND	1975	1,840,000.00	1,825,017.88	4,976.85	-0-	10,005.27
7490-8682-00	RENOVATION	1972	750,000.00	748,228.41	808.00	131.34(a)	832.25
7490-8691-00	LIBRARY BOOKS	1973	250,000.00	249,999.86		.14	
			$2,970,000.00	$2,823,246.15	$5,784.85	$131.48	$140,837.52

(a) Reverted Prior Year $56.34

SCHEDULE C-7

UNIVERSITY OF MASSACHUSETTS AT BOSTON
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 53 ENDOWMENT INCOME ON INVESTMENTS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
53/01 STUDENT AID, SCHOLARSHIPS & L							
RICHARD T HOGAN	050345	.00	44.20	156.53	.00	200.73	C01 B
53/01 STUDENT AID, SCHOLARSHIPS & L	TOTALS	.00	44.20	156.53	.00	200.73	
53/02 PRIZES							
BRIAN RATTIGAN/BOSTON	050495	69.19	.00	45.33	.00	114.52	C44 B
JOHN W RYAN FACULTY CONVOCATION	050530	50.45	.00	42.14	40.00	52.59	C01 B
53/02 PRIZES	TOTALS	119.64	.00	87.47	40.00	167.11	
SECT-53 ENDOWMENT INCOME ON INVESTMENTS		119.64	44.20	244.00	40.00	367.84	

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SECTION 02 STUDENT LOAN FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
02/01 NOTES RECEIVABLE							
EMERGENCY LOAN FUND LOAN	C04902	4,345.33CR	.00	5,535.00CR	.00	9,880.33CR	C44 B
02/01 NOTES RECEIVABLE	TOTALS	4,345.33CR	.00	5,535.00CR	.00	9,880.33CR	
02/02 TRUST ACCOUNTS							
EMERGENCY LOANS/ADDITIONS AND INT	004903	4,345.33	.00	5,535.00	.00	9,880.33	C44 B
02/02 TRUST ACCOUNTS	TOTALS	4,345.33	.00	5,535.00	.00	9,880.33	
SECT-02 STUDENT LOAN FUNDS		.00	.00	.00	.00	.00	

SCHEDULE F-18

UNIVERSITY OF MASSACHUSETTS AT BOSTON
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SECTION 05 SCHOLARSHIPS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
LOTTA M CRABTREE SCHOL/BOSTON	015710	.00	29,647.00	20,125.00CR	4,950.00	4,572.00	C44 B
IBTW LOCAL 1 SCHOLARSHIP	018600	21,133.02	1,314.14	.00	.00	22,447.16	C44 B
STANLEY J KAPLAN SCHOLARSHIP	019300	.00	596.00	.00	500.00	96.00	C01 B
UNIVERSITY SCHOLARSHIP/BOSTON	023102	760.00	23,977.40	750.00CR	12,350.00	11,637.40	C44 B
SECT-05 SCHOLARSHIPS		21,893.02	55,534.54	20,875.00CR	17,800.00	38,752.56	

SECTION 06 AUXILIARY ENTERPRISES

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
BOSTON FOOD SERVICE	026004	11,180.65	1,143.42	.00	580.00	11,744.07	C23 B
BOSTON BOOK SHOP	026020	16,101.00	443,296.34	.00	440,630.09	18,767.25	C39 B
BOSTON BOOK SHOP PETTY CASH/CONTRA	026021	2,500.00	.00	.00	.00	2,500.00	C39 B
UNIVERSITY UNION TRUST FUND	026030	.00	.00	.00	.00	.00	C20 B
STUDENT HEALTH SERVICE BOSTON	038502	24,028.37	157,847.96	.00	155,436.93	26,439.40	C41 B
COPY CENTER/BOSTON	040615	.00	.00	.00	.00	.00	C33 B
SECT-06 AUXILIARY ENTERPRISES		53,810.02	602,287.72	.00	596,647.02	59,450.72	

SECTION 07 CLEARING ACCOUNT

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
FEES CLEARING ACCOUNT/BOSTON	028005	39,196.00	3,363.39CR	.00	.00	35,832.61	C24 B
PETTY CASH/BOSTON/CONTRA	034802	500.00	.00	.00	.00	500.00	C24 B
REIMBURSABLE GRANTS/BOSTON	035405	160,576.00CR	.00	214,975.63CR	.00	375,551.63CR	C28 B
TRAVEL ADV REVOLVING/BOSTON/CONTRA	040310	2,000.00	.00	2,000.00CR	.00	.00	C28 B
BOSTON DEPOSIT ACCOUNT	040800	9,364.80	1,134,156.45	.00	1,141,473.41	2,047.84	C24 B
SECT-07 CLEARING ACCOUNT		109,515.20CR	1,130,793.06	216,975.63CR	1,141,473.41	337,171.18CR	

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SECTION 08 GENERAL PURPOSE FUND

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
08/01 UNRESTRICTED CURRENT FUNDS							
COMMUNITY ED PROGRAM/BOSTON	028220	60.00	.00	.00	.00	60.00	C01 B
MINOT COMPUTER TRUST/BOSTON	033410	61.92	.00	.00	.00	61.92	C81 B
PRE REGISTRATION FEE/BOSTON	035000	49,078.32	46,820.00	.00	45,492.31	50,406.01	C40 B
SPECIAL TRUST FUND/BOSTON	037801	7,304.34	7.01	50,400.00	42,505.95	15,205.40	C20 B
TRUST FUND INTEREST/BOSTON	040505	11,003.79	2.50	15,841.40	24,098.38	2,749.31	C20 B
UNIVERSITY FUND/BOSTON	040710	9,218.29	3,309.00	.00	6,550.96	5,976.33	C01 B
08/01 UNRESTRICTED CURRENT FUNDS	TOTALS	76,726.66	50,138.51	66,241.40	118,647.60	74,458.97	
08/02 DEPARTMENTAL SERVICE FUNDS							
PHYSICS ENRICHMENT SERVICE FUND	034404	.00	850.00	.00	.00	850.00	C76 B
08/02 DEPARTMENTAL SERVICE FUNDS	TOTALS	.00	850.00	.00	.00	850.00	
08/03 OPERATING ACCOUNTS							
RESEARCH TRUST FUND BOSTON	035515	36,026.94	.00	19,264.14	18,006.79	37,284.29	C20 B
08/03 OPERATING ACCOUNTS	TOTALS	36,026.94	.00	19,264.14	18,006.79	37,284.29	
SECT-08 GENERAL PURPOSE FUND		112,753.60	50,988.51	85,505.54	136,654.39	112,593.26	

SECTION 09 GIFTS & GRANTS PENDING TRUSTEE ACTION

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
RICHARD T HOGAN MEMORIAL/BOSTON	032595	4,420.00	.00	.00	4,420.00	.00	C44 B
SECT-09 GIFTS & GRANTS PENDING TRUSTEE ACTION		4,420.00	.00	.00	4,420.00	.00	

SCHEDULE F-18

UNIVERSITY OF MASSACHUSETTS AT BOSTON
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SECTION 10 LIBRARY FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
HUMAN RELATIONS AREA FILES	032201	.00	1,000.00	.00	.00	1,000.00	C20 B
JACK MURPHY FUND	033701	.00	.00	.00	.00	.00	C50 B
SECT-10 LIBRARY FUNDS		.00	1,000.00	.00	.00	1,000.00	

SECTION 11 MISCELLANEOUS SERVICE FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
SURVEY RESEARCH PROGRAM	039800	2,707.88	139,680.81	80,000.00	218,364.51	4,024.18	C20 B
NSF GU 4209	C87130	.00	.00	.00	.00	.00	C18 B
SECT-11 MISCELLANEOUS SERVICE FUNDS		2,707.88	139,680.81	80,000.00	218,364.51	4,024.18	

SECTION 12 STUDENT PROGRAMS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
COMMENCEMENT FUND/BOSTON	026901	7,460.69	9,505.00	.00	5,401.41	11,564.28	C10 B
STUDENT ACTIVITIES BOSTON	038400	76,540.00	169,046.26	.00	128,603.04	116,983.22	C42 B
YEAR OF STUDY IN FRANCE 1969	041210	24,192.40	.00	.00	24,192.40	.00	C65 B
YEAR OF STUDY IN FRANCE 1970	C41211	9,094.00	.00	2.38CR	9,091.62	.00	C65 B
YEAR OF STUDY IN FRANCE 1971	041213	.00	.00	.00	.00	.00	C65 B
YEAR OF STUDY IN FRANCE 1972	041214	.00	.00	.00	.00	.00	C65 B
YEAR OF STUDY IN FRANCE 1973	041215	.00	67,300.00	4,002.38	67,791.35	3,511.03	C65 B
YEAR OF STUDY IN FRANCE 1974	041216	.00	.00	.00	.00	.00	C65 B
SECT-12 STUDENT PROGRAMS		117,287.09	245,851.26	4,000.00	235,079.82	132,058.53	

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SECTION 13 SPONSORED RESEARCH

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
MERK AND COMPANY	051540	54.10	.00	.00	.00	54.10	C77 B
SECT-13 SPONSORED RESEARCH		54.10	.00	.00	.00	54.10	

SECTION 14 U OF M SPONSORED RESEARCH

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY-1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
FACULTY RESEARCH GRANTS/BOSTON	023850	6,672.21	69.05	8,640.00	9,443.43	5,937.83	C28 B
SECT-14 U OF M SPONSORED RESEARCH		6,672.21	69.05	8,640.00	9,443.43	5,937.83	

SCHEDULE F-18

UNIVERSITY OF MASSACHUSETTS AT BOSTON
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SECTION 15 NONPROFIT ORGANIZATIONS & FOUNDATIONS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
AMERICAN CANCER SOCIETY GRANT PS50	043001	.00	.00	.00	.00	.00	C01 B
BOSTON CITY SCHOOL COMMITTEE/BOSTON	043450	36.54	1,033.34	650.00CR	.00	419.88	C85 B
BOSTON SCH COMM TITLE III SEA/BOSTON	043451	2,131.72	2,082.00	480.00	4,691.30	2.42	C01 B
BOSTON SCHOOL COMMITTEE/ANRIG	043452	.00	.00	.00	.00	.00	C01 B
RESEARCH CORP COTTRELL SCHWARTZ	046800	399.20	.00	.00	56.15	343.05	C77 B
COTTRELL/VAN WILLIGEN #6390/307	046810	9,000.00	.00	.00	6,514.45	2,485.55	C78 B
OE 71-024-011 BOSTON	047854	1,667.44	2,510.78	3,600.00CR	578.22	.00	C19 B
MAURICE FALK MEDICAL/KRAMER	048250	.00	8,500.00	.00	6,885.30	1,614.70	C87 B
FORD FOUNDATION #700-0448 / BOSTON	048606	13,260.03	.00	13,252.13CR	7.90	.00	C01 B
FORD FOUNDATION	048607	374.55	287,860.88	91,647.87CR	106,292.66	90,294.90	C01 B
IFLT FY73 I ADMINISTRATION	050201	.00	.00	73,412.03	73,412.03	.00	C03 B
IFLT FY73 II IN SERVICES/STAFF	050202	.00	.00	35,278.33	35,278.33	.00	C03 B
IFLT FY73 III OPEN SPACE	050203	.00	.00	10,338.35	10,338.35	.00	C03 B
IFLT FY73 IV BILINGUAL	050204	.00	.00	6,556.00	6,556.00	.00	C03 B
IFLT FY73 V PAROCHIAL SCHOOL	050205	.00	.00	1,050.00	1,050.00	.00	C03 B
IFLT FY73 VI SECONDARY UNREST	050206	.00	.00	250.00	250.00	.00	C03 B
IFLT FY73 VII IN SERVICE PROGRAM/OTH	050207	.00	.00	.00	.00	.00	C03 B
IFLT FY73 VIII UNDERGRAD PROG/STAFF	050208	.00	.00	29,270.59	29,270.59	.00	C03 B
IFLT FY73 IX S.U.S.S.	050209	.00	.00	1,200.00	1,200.00	.00	C03 B
IFLT FY73 X UNDERGRAD BILINGUAL	050210	.00	.00	.00	.00	.00	C03 B
IFLT FY73 XI EARLY CHILDHOOD	050211	.00	.00	.00	.00	.00	C03 B
IFLT FY73 XII SIGHT SUPERVISION	050212	.00	.00	2,400.00	2,400.00	.00	C03 B
IFLT FY73 XIII ADVISORS	050213	.00	.00	1.38	1.38	.00	C03 B
IFLT FY73 XIV ALT. TRAINING STAFF	050214	.00	.00	20,364.05	20,364.05	.00	C03 B
IFLT FY73 XV ALT. TRAINING PROGRAM	050215	.00	.00	4,608.50	4,608.50	.00	C03 B
MBTA PD-021	051124	.00	.00	.00	.00	.00	C18 B
BHE IMPACT (TITLE I)	051128	.00	.00	.00	.00	.00	C18 B
PRF 1833 G2,3	054350	3,117.08	.00	.00	2,389.22	727.86	C77 B
PRF 2118-G2-BOSTON	054355	2,694.39	2,500.00	.00	2,550.20	2,644.19	C77 B
ALFRED P SLOAN BR1193	057406	117.03	.00	.00	.00	117.03	C77 B
PETER E STRAUSS TRUST	057802	.00	1,500.00	.00	.00	1,500.00	C18 B
SECT-15 NONPROFIT ORGANIZATIONS & FOUNDATIONS		32,797.98	305,987.00	76,059.23	314,694.63	100,149.58	

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SECTION 16 FEDERAL GRANTS AND CONTRACTS TRAINING

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
16/03 OTHER AGENCIES							
NEH EP 9236-73-340 WOMEN'S STUDIES	061711	.00	.00	.00	.00	.00	C62 B
BHE TITLE I 72-024-012	065110	.00	8,869.22	7,606.99	16,476.21	.00	C19 B
16/03 OTHER AGENCIES	TOTALS	.00	8,869.22	7,606.99	16,476.21	.00	
16/04 OFFICE OF EDUCATION							
COP-OEG 0-71-2455	068314	.00	.00	36,036.38	36,036.38	.00	C18 B
OEG 0-71-2622	069220	.00	1,545.00	5,650.70	7,195.70	.00	C46 B
OEG 1-72-8018	069232	.00	152.50	84,862.89	84,995.89	19.50	C46 B
OEG 0-73-0237 A	069236	.00	.00	49,893.06	49,715.43	177.63	C46 B
OEG 0-73-0237 B	069237	.00	881.79	9,303.49	10,185.28	.00	C46 B
OEG 1-73-8045 (453)	069242	.00	.00	269.03	269.03	.00	C46 B
16/04 OFFICE OF EDUCATION	TOTALS	.00	2,579.29	186,015.55	188,397.71	197.13	
SECT-16 FEDERAL GRANTS AND CONTRACTS TRAINING		.00	11,448.51	193,622.54	204,873.92	197.13	

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UNIVERSITY OF MASSACHUSETTS AT BOSTON
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SECTION 18 FEDERAL GRANTS AND CONTRACTS EQUIPMENT

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
18/02 NATIONAL SCIENCE FOUNDATION							
NSF GY 10135	089700	.00	.00	4,185.50	4,185.50	.00	C78 B
NSF GB 27982	091704	.00	.00	.00	.00	.00	C78 B
18/02 NATIONAL SCIENCE FOUNDATION	TOTALS	.00	.00	4,185.50	4,185.50	.00	
18/04 OFFICE OF EDUCATION							
OEG 0-72-6201	068513	.00	.00	17,603.23	17,603.23	.00	C50 B
18/04 OFFICE OF EDUCATION	TOTALS	.00	.00	17,603.23	17,603.23	.00	
SECT-18 FEDERAL GRANTS AND CONTRACTS EQUIPMEN		.00	.00	21,788.73	21,788.73	.00	

SECTION 19 FEDERAL GRANTS CONTRACTS OTHER PURPOSES

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
BOSTON URBAN OBSERVATORY	060101	.00	74,698.93	52,701.07	126,941.84	458.16	C19 B
UNIV YEAR FOR ACTION 72-47009/2	060304	12,886.94	1,725.00	13,253.28	27,865.22	.00	C01 B
ACTION 73-00-047-0004B/2	060306	.00	69,000.00	261.69	69,261.69	.00	C01 B
SECT-19 FEDERAL GRANTS CONTRACTS OTHER PURPOS		12,886.94	145,423.93	66,216.04	224,068.75	458.16	

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SECTION 20 FEDERAL GRANTS AND CONTRACTS-RESEARCH

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
20/01 NATIONAL INSTITUTE OF HEALTH							
NIH GM 13689-06	082606	.00	.00	5,808.75	5,808.75	.00	C77 B
NIH GM 13689-07	082607	.00	.00	8,476.96	8,476.96	.00	C77 B
NIH EY 01012-01	082611	.00	.00	17,985.97	17,985.97	.00	C78 B
NIH GM 15538-02	083003	.00	.00	.00	.00	.00	C77 B
NIH GM 19645-01	083401	.00	.00	.00	.00	.00	C77 B
20/01 NATIONAL INSTITUTE OF HEALTH	TOTALS	.00	.00	32,271.68	32,271.68	.00	
20/02 NATIONAL SCIENCE FOUNDATION							
NSF GB 7462	088360	.00	.00	79.53	79.53	.00	C78 B
NSF GP 8314	088513	.00	.00	145.77	145.77	.00	C77 B
NSF GP 11281	089804	.00	.00	.00	.00	.00	C90 B
NSF GP 12533	089913	.00	.00	283.75	283.75	.00	C76 B
NSF GS 28994	091721	.00	.00	4,385.64	4,385.64	.00	C78 B
NSF GP 29705	091725	.00	.00	4,131.90	4,131.90	.00	C76 B
NSF GB 32530	091746	.00	.00	13,696.07	13,696.07	.00	C78 B
NSF GH 34411	091763	.00	.00	4,894.13	4,894.13	.00	C76 B
NSF GA 35617	091778	.00	.00	7,420.24	7,420.24	.00	C78 B
20/02 NATIONAL SCIENCE FOUNDATION	TOTALS	.00	.00	35,037.03	35,037.03	.00	
20/04 AIR FORCE							
AF F19628-71-C-0161	060706	184.25	110.34	294.59CR	.00	.00	C76 B
20/04 AIR FORCE	TOTALS	184.25	110.34	294.59CR	.00	.00	
20/12 OTHER AGENCIES							
BHE TITLE I 72-024-015	065111	.00	9,125.00	.00	2,335.29	6,789.71	C19 B
20/12 OTHER AGENCIES	TOTALS	.00	9,125.00	.00	2,335.29	6,789.71	
SECT-20 FEDERAL GRANTS AND CONTRACTS-RESEARCH		184.25	9,235.34	67,014.12	69,644.00	6,789.71	

SCHEDULE F-18

UNIVERSITY OF MASSACHUSETTS AT BOSTON
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 21 AGENCY FUNDS

A C C O U N T N A M E	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
STUDENT HEALTH INSURANCE - BOSTON	097100	1,976.95	96,533.46	.00	95,133.60	3,376.81	C24 B
SECT-21 AGENCY FUNDS		1,976.95	96,533.46	.00	95,133.60	3,376.81	
TOTALS FOR SECTIONS 03 TO 21		257,928.84	2,794,833.19	364,995.57	3,290,086.21	127,671.39	

SCHEDULE F-19

UNIVERSITY STORE - BOSTON
INCOME STATEMENT
FOR THE PERIOD ENDED MAY 31, 1973

SALES		
BOOKS	$378,660.71	
SUPPLIES	43,268.67	
TOTAL SUPPLIES		$421,929.38
COST OF GOODS SOLD		
BEGINNING INVENTORY 6/1/72	$120,383.65	
PURCHASES	430,474.36	
FREIGHT IN	7,591.62	
	$558,449.63	
LESS: PURCHASE RETURNS	78,157.82	
GOODS AVAILABLE FOR SALE	$480,291.81	
LESS: ENDING INVENTORY 5/31/73	142,577.81	
COST OF GOODS SOLD		337,714.00
GROSS MARGIN ON SALES		$ 84,215.38
OPERATING EXPENSES		
PAYROLL - REGULAR	$ 47,885.19	
PAYROLL - STUDENT	16,265.12	
TEMPORARY HELP	4,390.03	
EMPLOYEE GROUP INSURANCE	1,387.68	
STORE INSURANCE	1,136.55	
OFFICE SUPPLIES	59.87	
STORE SUPPLIES	1,811.72	
TELEPHONE	837.70	
POSTAGE	351.12	
ADVERTISING	1,058.08	
TRAVEL AND EDUCATION	256.00	
REPAIRS AND MAINTENANCE	137.61	
DEPRECIATION	2,144.20	
CASH SHORTAGE	622.20	
MISCELLANEOUS EXPENSE	2,964.91	
TOTAL OPERATING EXPENSES		81,307.98
NET INCOME FROM OPERATIONS		$ 2,907.40
OTHER INCOME		
DUPLICATING SERVICE	$ 58.18	
CASH OVERAGES	337.93	
MISCELLANEOUS INCOME	485.00	881.11
NET INCOME FOR PERIOD		$ 3,788.51

SCHEDULE F-20

UNIVERSITY STORE - BOSTON
BALANCE SHEET
AS OF MAY 31, 1973

ASSETS			
CURRENT ASSETS:			
CASH IN TRUST		$ 24,737.02	
STORE CHANGE FUND		2,500.00	
ACCOUNTS RECEIVABLE - CUSTOMERS		14,638.77	
ACCOUNTS RECEIVABLE - BOOK VENDORS		3,150.69	
ACCOUNTS RECEIVABLE - SUPPLY VENDORS		275.92	
INVENTORY - BOOKS		128,157.43	
INVENTORY - SUPPLIES		14,420.38	
PREPAID EXPENSES		902.45	
TOTAL CURRENT ASSETS			$188,782.66
FIXED ASSETS:			
OFFICE FURNITURE & FIXTURES	$ 2,358.27		
LESS: ALLOW. FOR DEPRECIATION	1,314.82	$ 1,043.45	
STORE FURNITURE & FIXTURES	$20,344.67		
LESS: ALLOW. FOR DEPRECIATION	8,622.08	11,722.59	
STORE MACHINERY & EQUIPMENT	$ 1,452.32		
LESS: ALLOW. FOR DEPRECIATION	981.59	470.73	
TOTAL FIXED ASSETS			13,236.77
TOTAL CURRENT & FIXED ASSETS			$202,019.43
LIABILITIES			
CURRENT LIABILITIES:			
ACCOUNTS PAYABLE		$ 89,981.41	
ACCRUED PAYROLL		1,571.93	
ACCRUED TAXES		57.01	
LABORATORY FEES		17,041.63	
TOTAL CURRENT LIABILITIES			$108,651.98
LONG-TERM LIABILITIES:			
UMASS CAMPUS CENTER LOAN			108,500.00
TOTAL CURRENT & LONG-TERM LIABILITIES			$217,151.98
CAPITAL			
RETAINED EARNINGS:			
BALANCE JUNE 1, 1972		$ (2,299.27)	
NET INCOME FROM OPERATIONS		3,788.61	
PRIOR YEAR ADJUSTMENTS - FISCAL 1972		(16,621.89)	
BALANCE MAY 31, 1973			(15,132.55)
TOTAL LIABILITIES & CAPITAL			$202,019.43

SCHEDULE G-6

INVENTORY OF LAND

LOCATION	ACREAGE	ASSESSED VALUATION JUNE 30, 1973
BOSTON	.4	$ 315,900.00
COLUMBIA POINT	192.8	1,753,640.00
TOTAL	193.2	$2,069,540.00

SCHEDULE G-7

INVENTORY OF BUILDINGS & STRUCTURES

BUILDING NUMBER	CONSTRUCTED	LOCATION	DESCRIPTION	ASSESSED VALUATION JUNE 30, 1973
393	1926	BOSTON	CLASSROOMS & LABORATORY	$1,484,100.00
TOTAL				$1,484,100.00

UNIVERSITY OF MASSACHUSETTS

at Worcester

SCHEDULE A-14

COMPARATIVE STATEMENT OF FUNDS FORWARDED TO STATE TREASURER

ON ACCOUNT OF INCOME FROM FEES, SALES AND SERVICES

INSTRUCTION	1971		1972		1973	
TUITION - MEDICAL SCHOOL	$8,067.50		$23,747.00		$37,800.00	
SALES	-0-	$8,067.50	-0-	$23,747.00	-0-	$37,800.00
OPERATION OF PLANT						
MISCELLANEOUS	$ -0-		$ 2,800.00		$ 19.20	
RENT - WORCESTER	1,125.00	1,125.00	23.50	2,823.50	2,400.00	2,419.20
TOTAL		$9,192.50		$26,570.50		$40,219.20

SCHEDULE A-15

STATE APPROPRIATION

COMPARATIVE STATEMENT BY SUBSIDIARY ACCOUNT

SUBSIDIARY ACCOUNT		1971	1972	1973
GENERAL MAINTENANCE				
7411-1005-01	SALARIES, PERMANENT POSITIONS	$1,130,751.18	$1,361,381.61	$1,530,119.58*
7411-1005-02	SALARIES, OTHER	97,092.93	30,647.36	70,737.41*
7411-1005-03	SERVICES, NON-EMPLOYEES	329,614.62	371,785.47	455,622.57
7411-1005-06	HOUSEKEEPING SUPPLIES & EXPENSES	6,008.07	7,536.16	15,397.96
7411-1005-07	LABORATORY, MEDICAL & GENERAL CARE	-0-	-0-	-0-
7411-1005-08	HEAT & OTHER PLANT OPERATIONS	26,748.53	67,346.77	182,977.90
7411-1005-09	FARM & GROUNDS	500.00	954.09	1,265.09
7411-1005-10	TRAVEL & AUTOMOTIVE EXPENSES	22,132.34	28,303.04	20,280.80
7411-1005-11	ADVERTISING & PRINTING	14,275.71	22,560.22	41,552.34
7411-1005-12	REPAIRS, ALTERATIONS & ADDITIONS	40,822.95	81,145.12	134,944.06
7411-1005-13	SPECIAL SUPPLIES & EXPENSES	179,867.16	227,524.65	330,607.69
7411-1005-14	OFFICE & ADMINISTRATIVE EXPENSES	40,619.26	53,520.12	104,056.07
7411-1005-15	EQUIPMENT	48,155.08	85,098.24	232,669.36
7411-1005-16	RENTAL	29,709.94	97,563.93	97,038.60
	TOTAL	$1,966,297.77	$2,435,366.78	$3,217,269.43

*$25,589.36 for retroactive payroll (12/26/71 to 6/24/72) paid from State Reserve (1599-2013); not recorded as expense of University.

SCHEDULE A-16

STATE GENERAL MAINTENANCE APPROPRIATIONS

SUMMARY OF EXPENDITURES BY FUNCTIONAL DIVISION & SUBSIDIARY ACCOUNT

ACCOUNT NAME & NUMBER		APPROPRIATION & ALLOTMENT	EXPENDITURES & ENCUMBRANCES ADMINISTRATION	INSTRUCTION	OPERATION OF PLANT	TOTAL EXPENDITURES & ENC.	BALANCE OF APPROPRIATION JUNE 30, 1973
GENERAL MAINTENANCE							
7411-1005-01	SALARIES, PERMANENT	$1,530,119.58	$431,236.85	$905,926.53	$146,072.83	$1,483,236.21	$ 46,883.37
7411-1005-02	SALARIES, OTHER	70,737.41	14,394.86	505.81	18,198.55	33,099.22	37,638.19
7411-1005-03	SERVICE, NON-EMPLOYEE	455,622.57	80,091.69	210,922.31	67,262.34	358,276.34	97,346.23
7411-1005-06	HOUSEKEEPING SUPPLIES	15,397.96	383.50	974.29	3,066.17	4,423.96	10,974.00
7411-1005-07	LAB; MEDICAL & GENERAL CARE	-0-	-0-	-0-	-0-	-0-	-0-
7411-1005-08	HEAT & OTHER PLANT OPERATIONS	182,977.90	873.00	-0-	78,611.37	79,484.37	103,493.53
7411-1005-09	FARM & GROUNDS	1,265.09	-0-	95.00	639.35	734.35	530.74
7411-1005-10	TRAVEL & AUTOMOTIVE	20,280.80	7,545.46	6,055.88	1,200.39	14,801.73	5,479.07
7411-1005-11	ADVERTISING & PRINTING	41,552.34	7,405.13	14,243.86	-0-	21,648.99	19,903.35
7411-1005-12	REPAIRS, ALTERATIONS & ADDITIONS	134,944.06	2,608.27	2,613.50	52,535.57	57,757.34	77,186.72
7411-1005-13	SPECIAL SUPPLIES	330,607.69	19,606.68	210,829.21	2,756.21	233,192.10	97,415.59
7411-1005-14	OFFICE & ADMINISTRATIVE	104,056.07	84,263.69	557.32	148.67	84,969.68	19,086.39
7411-1005-15	EQUIPMENT	232,669.36	19,574.83	37,118.77	3,696.03	60,389.63	172,279.73
7411-1005-16	RENTAL	97,038.60	63,237.08	30.98	3,987.15	67,255.21	29,783.39
	TOTAL	$3,217,269.43	$731,221.04	$1,389,873.46	$378,174.63	$2,499,269.13	$718,000.30

SCHEDULE A-17

FISCAL YEAR EXPENDITURE REPORT BY DEPT IN BUDGET DIV 06/30/73

DEPT	DESCRIPTION	STATE FUNDS (01-03)	STATE FUNDS (04-16)	NET TOTALS
	MEDICAL SCHOOL-WORCESTER			
I11	DEANS OFFICE	123,428.91	10,688.93	134,117.84
I19	STOCK SUPPLIES		3,570.32CR	3,570.32CR
I21	ADMIN. COST CENTER	16,574.78	151,373.17	167,947.95
I22	OFFICE OF THE PRESIDENT	44,070.20		44,070.20
I23	ACCOUNTING & FINANCE	61,777.06	3,696.20	65,473.26
I24	MATERIAL	139,556.59	31,710.57	171,267.16
I25	PERSONNEL	18,574.88	608.61	19,183.49
I26	PLANNING	56,828.97	1,829.49	58,658.46
I31	ADMISSIONS	64,912.01	9,160.99	74,073.00
I41	LIBRARY	95,654.85	74,300.61	169,955.46
I45	AUDIO-VISUAL		496.56	496.56
I51	INSTRUCTION	10,483.06	12,235.62	22,718.68
I52	ANATOMY	144,522.44	23,902.92	168,425.36
I53	BIOCHEMISTRY	135,550.48	30,790.15	166,340.63
I54	PHYSIOLOGY	135,870.50	27,752.79	163,623.29
I55	COMMUNITY MEDICINE	120,531.61	6,118.13	126,649.74
I56	PATHOLOGY	126,265.62	12,057.15	138,322.77
I57	PHARMACOLOGY	93,577.43	32,975.78	126,553.21
I58	MEDICINE	38,897.34	1,341.05	40,238.39
I59	MICROBIOLOGY	100,477.36	48,322.63	148,799.99
I62	PEDIATRICS	16,933.30		16,933.30
I63	SURGERY	42,528.61		42,528.61
I64	PSYCHIATRY	22,791.99	126.80	22,918.79
I65	ORTHOPEDICS	33,270.06	2,098.62	35,368.68
I91	PHYSICAL PLANT	231,533.72	146,640.91	378,174.63
	DEPT TOTALS	1,874,611.77	624,657.36	2,499,269.13

SCHEDULE A-18

CAPITAL OUTLAY EXPENDITURES & BALANCES

ACCOUNT NUMBER & NAME		EXPIRES	TOTAL APPROPRIATION	EXPENDITURES PRIOR YEAR	EXPENDITURES CURRENT YEAR	REVERTED TO STATE TREASURER	BALANCE OF APPROPRIATION JUNE 30, 1973
7490-0035-00	MEDICAL SCHOOL LOAN	1975	$ 600,000.00	$597,407.70	$ -0-	$ -0-	$ 2,592.30
7490-8686-00	LIBRARY BOOKS	1972	200,000.00	168,941.79	31,056.35	1.86	-0-
7490-8724-00	LAND PURCHASE	1976	75,000.00	9,000.00	555.99	-0-	65,444.01
7491-8693-00	LIBRARY BOOKS	1973	230,000.00	222,957.33	7,042.60	-0-	.07
			$1,105,000.00	$998,306.82	$38,654.94	$ 1.86	$ 68,036.38

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 53 ENDOWMENT INCOME ON INVESTMENTS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
53/01 STUDENT AID, SCHOL. & LOANS							
ANONYMOUS MEDICAL SCHOOL SCHOLARSHIP	050035	334.12	.00	1,055.93	1,390.05	.00	I11 W
53/01 STUDENT AID, SCHOL. & LOANS	TOTALS	334.12	.00	1,055.93	1,390.05	.00	
SECT-53 ENDOWMENT INCOME ON INVESTMENTS		334.12	.00	1,055.93	1,390.05	.00	

SCHEDULE D-3

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 02 STUDENT LOAN FUNDS

A C C O U N T N A M E	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
02/01 NOTES RECEIVABLE							
ROBERT WOOD JOHNSON FOUND STU AID	005250	.00	.00	.00	.00	.00	I11 W
02/01 NOTES RECEIVABLE	TOTALS	.00	.00	.00	.00	.00	
02/02 TRUST ACCOUNTS							
R W JOHNSON/ADDITIONS AND INT	005251	.00	27,244.94	.00	.00	27,244.94	I11 W
02/02 TRUST ACCOUNTS	TOTALS	.00	27,244.94	.00	.00	27,244.94	
SECT-02 STUDENT LOAN FUNDS		.00	27,244.94	.00	.00	27,244.94	

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 03 FEDERAL FELLOWSHIP

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
03/01 NATIONAL INSTITUTE OF HEALTH							
NIH CA 49156-01A1	009454	.00	.00	799.40	799.40	.00	I51 W
NIH GM 52552-01	009462	.00	.00	361.47	361.47	.00	I59 W
NIH GM 55446-01	009464	.00	.00	400.00	400.00	.00	I54 W
03/01 NATIONAL INSTITUTE OF HEALTH	TOTALS	.00	.00	1,560.87	1,560.87	.00	
SECT-03 FEDERAL FELLOWSHIP		.00	.00	1,560.87	1,560.87	.00	

SECTION 05 SCHOLARSHIPS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
LOTTA M CRABTREE SCHOL/MED SCH	015720	.00	.00	.00	.00	.00	I23 W
UNIVERSITY SCHOLARSHIP/MEDICAL SCH	020100	7,862.54	18,853.91	1,996.00CR	18,551.50	6,168.95	I21 W
SECT-05 SCHOLARSHIPS		7,862.54	18,853.91	1,996.00CR	18,551.50	6,168.95	

SECTION 07 CLEARING ACCOUNT

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
FEES CLEARING ACCOUNT/WORCESTER	028010	.00	47,020.16	898.50	47,094.50	824.16	I21 W
PETTY CASH/WORCESTER/CONTRA	034803	.00	.00	.00	.00	.00	I23 W
SECT-07 CLEARING ACCOUNT		.00	47,020.16	898.50	47,094.50	824.16	

SCHEDULE F-21

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 08 GENERAL PURPOSE FUND

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
08/01 UNRESTRICTED CURRENT FUNDS							
COMMUNITY MEDICINE SERVICES FUND	028240	150.00	1,537.50	.00	1,284.53	402.97	I55 W
EQUIPMENT MAINTENANCE FEE	032860	1,940.00	1,649.50	590.00	.00	4,179.50	I21 W
TRUST FUND INTEREST/WORCESTER	040510	1,558.25	.00	1,650.26	3,092.01	116.50	I11 W
08/01 UNRESTRICTED CURRENT FUNDS	TOTALS	3,648.25	3,187.00	2,240.26	4,376.54	4,698.97	
08/02 DEPARTMENTAL SERVICE FUNDS							
ANATOMICAL SERVICE FUND	024404	127.65	1,240.33	.00	.00	1,367.98	I21 W
BIOCHEMISTRY SERVICE FUND/WORCESTER	025505	1,543.74	.00	.00	627.28	916.46	I53 W
PATHOLOGY SERVICE FUND	028200	.00	.00	.00	.00	.00	I56 W
PEDIATRIC SERVICE FUND	028860	.00	2,500.00	.00	.00	2,500.00	I62 W
MEDICAL SCHOOL SERVICE FUND	033200	6,418.95	25,894.00	349.74	2,303.28	30,359.41	I11 W
DEPARTMENT OF ORTHOPEDICS	034130	.00	11,086.20	.00	5,921.93	5,164.27	I65 W
DEPARTMENT OF PHARMACOLOGY SERVICE	034370	.00	1,300.00	.00	200.00	1,100.00	I57 W
PHYSIOLOGY SERVICE FUND	034405	500.00	.00	.00	.00	500.00	I54 W
08/02 DEPARTMENTAL SERVICE FUNDS	TOTALS	8,590.34	42,020.53	349.74	9,052.49	41,908.12	
08/03 OPERATING ACCOUNTS							
RESEARCH TRUST FUND WORCESTER	035525	54,650.21	34.77	48,322.67	7,749.94	95,257.71	I11 W
08/03 OPERATING ACCOUNTS	TOTALS	54,650.21	34.77	48,322.67	7,749.94	95,257.71	
SECT-08 GENERAL PURPOSE FUND		66,888.80	45,242.30	50,912.67	21,178.97	141,864.80	

SECTION 10 LIBRARY FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
MEDICAL SCHOOL LIBRARY FUND	040900	125.00	170.50	.00	.00	295.50	I41 W
SECT-10 LIBRARY FUNDS		125.00	170.50	.00	.00	295.50	

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 15 NONPROFIT ORGANIZATIONS & FOUNDATIONS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
MASS HEART ASSOCIATION	051106	320.59	.00	16.14	336.73	.00	I54 W
MASS HEART ASSOCIATION INC/SINGER	051121	.00	6,426.00	35.49CR	899.62	5,490.89	I54 W
POPULATION COUNCIL/HALKERSON	053004	11,274.77	.00	.00	11,241.95	32.82	I53 W
TRI-STATE REGIONAL MED PROGRAM/WORC	057850	.00	.00	4,136.50	4,136.50	.00	I55 W
WORCESTER FRANKLIN HEALTH ASSOC	058710	.00	5,000.00	.00	300.00	4,700.00	I55 W
SECT-15 NONPROFIT ORGANIZATIONS & FOUNDATIONS		11,595.36	11,426.00	4,117.15	16,914.80	10,223.71	

SECTION 16 FEDERAL GRANTS AND CONTRACTS TRAINING

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
16/01 NATIONAL INSTITUTE HEALTH							
NIH PE-00095-01	070111	.00	.00	16,035.10	16,035.10	.00	I21 W
NIH PE 00095-02	070112	.00	.00	358.60	358.60	.00	I21 W
NIH PE 00095-03	070113	.00	.00	.00	.00	.00	I21 W
16/01 NATIONAL INSTITUTE HEALTH	TOTALS	.00	.00	16,393.70	16,393.70	.00	
16/03 OTHER AGENCIES							
BHE TITLE I 72-026-013	065109	.00	15,895.00	3,761.56CR	12,133.44	.00	I55 W
16/03 OTHER AGENCIES	TOTALS	.00	15,895.00	3,761.56CR	12,133.44	.00	
SECT-16 FEDERAL GRANTS AND CONTRACTS TRAINING		.00	15,895.00	12,632.14	28,527.14	.00	

SCHEDULE F-21

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 20 FEDERAL GRANTS AND CONTRACTS-RESEARCH

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
20/01 NATIONAL INSTITUTE OF HEALTH							
NIH HD 06518-01	073501	.00	.00	10,703.56	10,703.56	.00	I51 W
NIH RR-05712-01	073601	.00	.00	19,323.71	19,323.71	.00	I53 W
NIH RR 05712-02	073602	.00	.00	.00	.00	.00	I53 W
NIH AI 08791-02	081602	.00	.00	.00	.00	.00	I52 W
NIH AI 08791-03	081603	.00	.00	10,063.31	10,063.31	.00	I52 W
NIH AI 10806-01	081731	.00	.00	400.00	400.00	.00	I59 W
NIH NS 10783-01	081811	.00	.00	19,675.85	19,675.85	.00	I54 W
NIH NS 10783-02	081812	.00	.00	.00	.00	.00	I54 W
NIH AI 11005-01	081821	.00	.00	14,230.71	14,230.71	.00	I59 W
NIH AM 13904-03	082613	.00	.00	23,000.86	23,000.86	.00	I53 W
NIH AM 13904-04	082614	.00	.00	24,582.51	24,582.51	.00	I53 W
NIH HE 14523-01	082631	.00	.00	6,473.52	6,473.52	.00	I54 W
NIH HL 14523-02	082632	.00	.00	13,675.38	13,675.38	.00	I54 W
NIH HL 14523-03	082633	.00	.00	639.33	639.33	.00	I54 W
NIH AM 15046-02	082905	.00	.00	9,710.85	9,710.85	.00	I54 W
NIH AM 15046-03	082906	.00	.00	30,782.27	30,782.27	.00	I54 W
NIH GM 18332-01	082911	.00	39.84	1,121.57	1,161.41	.00	I21 W
NIH GM 18332-02	082912	.00	.00	10,096.60	10,096.60	.00	I54 W
NIH GM 18332-03	082913	.00	.00	1,261.06	1,261.06	.00	I54 W
NIH AM 17456-01	083121	.00	.00	.00	.00	.00	I53 W
20/01 NATIONAL INSTITUTE OF HEALTH	TOTALS	.00	39.84	195,741.09	195,780.93	.00	
20/02 NATIONAL SCIENCE FOUNDATION							
NSF GB 7547	088401	.00	.00	11,143.46	11,143.46	.00	I52 W
NSF GB 24167	091509	.00	.00	3,647.35	3,647.35	.00	I52 W
NSF GB 30567	091729	.00	.00	8,829.68	8,829.68	.00	I11 W
NSF GB 37834	091797	.00	.00	1,679.25	1,679.25	.00	I53 W
NSF GB 38360	091800	.00	.00	.00	.00	.00	I52 W
20/02 NATIONAL SCIENCE FOUNDATION	TOTALS	.00	.00	25,299.74	25,299.74	.00	
20/12 OTHER AGENCIES							
BHE TITLE I 71-026-012	065108	2,856.47	686.36	.00	2,416.34	1,126.49	I55 W
20/12 OTHER AGENCIES	TOTALS	2,856.47	686.36	.00	2,416.34	1,126.49	

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER
ANNUAL FINANCIAL REPORT OF NON-STATE FUNDS

SECTION 20 FEDERAL GRANTS AND CONTRACTS-RESEARCH CONTINUED

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73
SECT-20 FEDERAL GRANTS AND CONTRACTS-RESEARCH		2,856.47	726.20	221,040.83	223,497.01	1,126.49

SECTION 21 AGENCY FUNDS

ACCOUNT NAME	ACCOUNT CODE	BALANCE AS OF JULY 1, 72	RECEIPTS TO DATE	TRANSFERS	EXPENDED TO DATE	BALANCE 06/73	
HEALTH FEE WORCESTER	097220	112.00CR	3,270.00	1,210.00	535.24	3,832.76	I31 W
SECT-21 AGENCY FUNDS		112.00CR	3,270.00	1,210.00	535.24	3,832.76	
TOTALS FOR SECTIONS 03 TO 21		89,216.17	142,604.07	290,376.16	357,860.03	164,336.37	

SCHEDULE G-8

INVENTORY OF LAND

LOCATION	ACREAGE	ASSESSED VALUATION JUNE 30, 1973
WORCESTER	136.3	$739,400.00
TOTAL	136.3	$739,400.00

SCHEDULE G-9

INVENTORY OF BUILDINGS & STRUCTURES

BUILDING NUMBER	CONSTRUCTED	LOCATION	DESCRIPTION	ASSESSED VALUATION JUNE 30, 1973
370	1930	WORCESTER	SHELTER - BUS STOP STATION	$ 100.00
371	1961	WORCESTER	GREENHOUSE	6,500.00
372	1913	WORCESTER	HOUSE - MAPLE	7,000.00
373	1913	WORCESTER	GARAGE - MAPLE	400.00
376	1894	WORCESTER	APARTMENT - FARM HOUSE	35,000.00
411	1951	WORCESTER	SHAW BLDG. - ADMIN., CLASSROOM, LABS.	350,000.00
444	1960	WORCESTER	ANDERSON HOUSE	7,800.00
510	1937	WORCESTER	HARDING WAREHOUSE	100,000.00
TOTAL				$506,800.00

PERMANENT
PH
THE HOLLINGER CORPORATION
ARLINGTON, VIRGINIA

1972-73
ANNUAL REPORT
(Fiscal Year 1973)

AMHERST CAMPUS

UNIVERSITY OF MASSACHUSETTS

ANNUAL REPORT of the AMHERST CAMPUS

of the

UNIVERSITY OF MASSACHUSETTS

for the year July 1, 1972 to June 30, 1973

Preface

The 1972-73 (Fiscal Year 1973) Annual Report of the Amherst Campus has been prepared in a different manner than its predecessors. The central administration through the Office of Institutional Studies has taken an active part in its preparation and it is not just a combination of reports from individual units.

The main part of the report, which deals with the activities of the campus and its operational units, is bound together here. In many instances where statistical data is reported, corresponding figures for the preceding year are included to facilitate comparisons.

There will be two supplements to this main report which require more time for their preparation. One is a special report on Sponsored Activities and the other is a comprehensive listing of Faculty Publications.

Robert W. Wagner
August 28, 1973

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APPROPRIATIONS

The comparison of appropriations for the Amherst Campus for the fiscal years 1972 and 1973 is shown below. There were gratifying increases in some accounts but they were accompanied by distressing decreases in others.

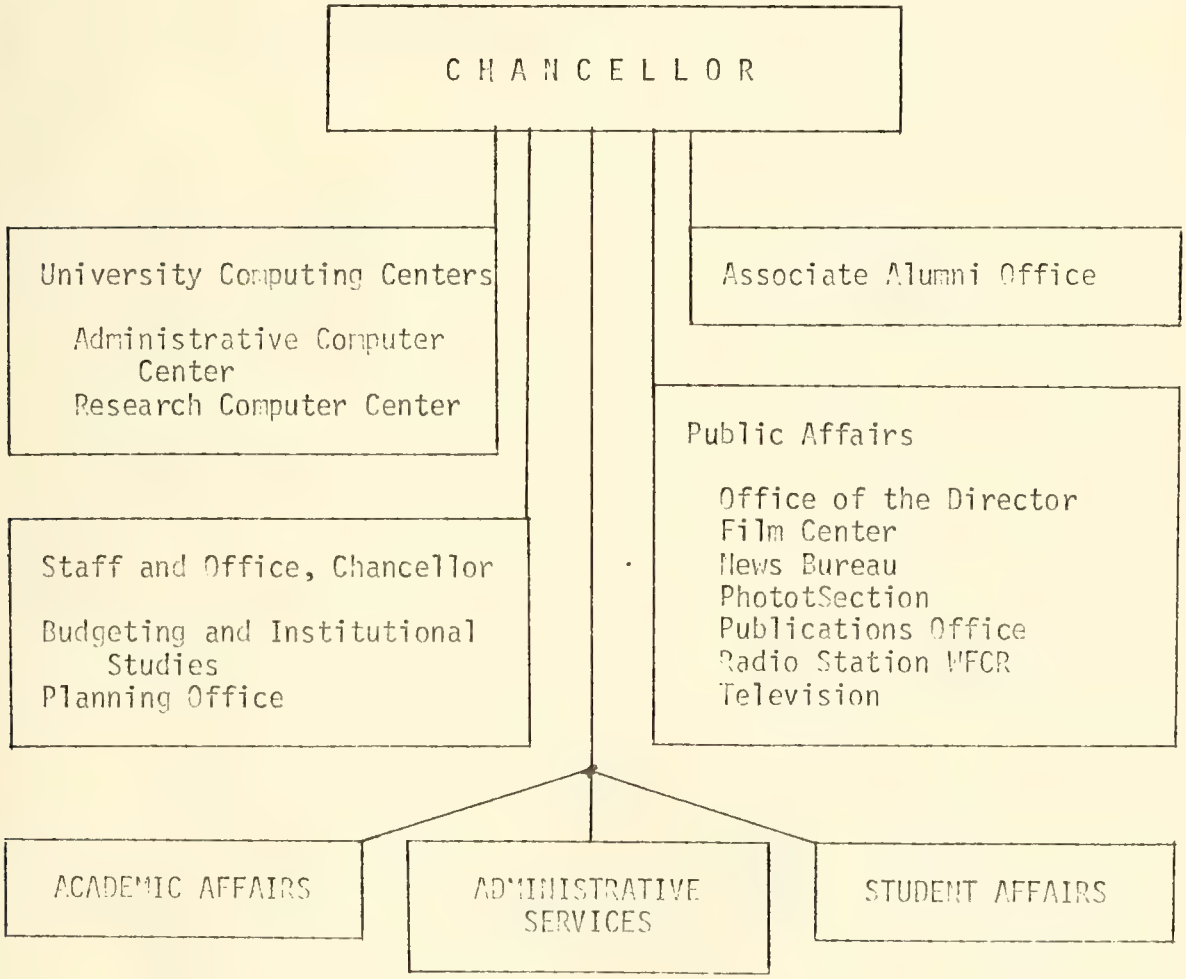
State Fund Expenditures

Account	1972-73	1971-72
01	$ 45,155,392	$39,472,901
02	826,701	636,684
03	4,700,000	5,868,463
04	1,500	2,500
05	14,700	14,221
06	107,530	119,955
07	11,000	11,966
08	2,612,800	2,369,952
09	98,350	128,165
10	199,500	219,919
11	161,500	178,997
12	723,617	922,978
13	2,357,745	2,303,443
14	732,825	649,899
15	221,757	649,749
16	1,082,346	1,086,155
Total State Funds	$ 59,007,263	$54,635,947
Non-State Funds	42,916,544	40,225,702
Grand Total	$101,923,800	$94,861,700

TABLE OF ORGANIZATION

On this, and the following four pages, is shown the table organization as of the fall of 1972 for the Amherst Campus. This page shows the relationships from the Chancellor down to the three main branches, and these are displayed on the following pages. Academic Affairs needs two pages because we show the individual departments.

During the year several reorganizations and realignments have been introduced as part of the general development of this campus. Most of the numerical and factual information refer to the fall semester so it is more convenient to report generally on the status in the fall semester.



ACADEMIC AFFAIRS

Provost's Office and Staff
Five College Programs
Bowker Auditorium
Schedule Office
International Programs
Teaching Assistants
Nantucket Research Center

College of Arts and Sciences
- Deans' Office Operations
- Faculty of Hum. and Fine Arts
  - Afro-American Studies
  - Art
  - Classics
  - Comparative Literature
  - English
  - French and Italian
  - Germanic Languages
  - Hispanic Languages
  - History
  - Linguistics
  - Music
  - Philosophy
  - Slavic Languages
  - Theater
- Faculty of Soc. and Beh. Sci.
  - Anthropology
  - Asian Studies
  - Economics
  - Political Science
  - Psychology
  - Sociology
  - Speech
- Fac. of Nat. Sci. and Math.
  - Biochemistry
  - Botany
  - Chemistry
  - Geology and Geography
  - Mathematics and Statistics
  - Microbiology
  - Physics and Astronomy
  - Zoology

Fine Arts Council
Upward Bound
Black Cultural Center
Faculty Senate
Summer Session
Year for Action
Honors Program
Special Students Program
Institute for Man and His Environment
Bachelor's Degree with Individual Concentration
Residential Colleges

C. Food and Natural Resources
- Dean's Office Operations
- Instruction
  - Agricultural and Food Economics
  - Entomology
  - Environmental Sciences
  - Food and Agricultural Engineering
  - Food Science and Tech.
  - Forestry and Wildlife Management
  - Hotel, Restaurant and Travel Administration
  - Landscape Architecture and Regional Planning
  - Plant Pathology
  - Plant and Soil Sciences
  - Veterinary and Animal Sci.
- Extension Services
- Research
  - Cranberry Station
  - Suburban Experiment Station, Waltham
- Control Services

Continued on the next page

ACADEMIC AFFAIRS, continued

Sch. Business Administration
- Accounting
- Center for Business and Economic Research
- Gen. Business and Finance
- Management
- Marketing

School of Physical Education
- Exercise Science
- Phys. Ed. for Men
- Phys. Ed. for Women
- Liesure Studies and Serv.
- Athletics and Intramurals

School of Education

Graduate School
- Computer and Information Science
- Marine Science and Station
- Polymer Science and Engin.
- University Press
- Water Resources Research Center
- Office of Research Services
- Admissions and Records
- Fellowships and Assistantships

Continuing Education

School of Engineering
- Chemical Engineering
- Civil Engineering
- Commonwealth Industrial Technology
- Electrical and Computer E.
- Industrial Engineering and Operations Research
- Mechanical and Aerospace E.

School of Home Economics
- Home Economics Extension
- Home Economics Education
- Human Development
- Nutrition and Food
- Textiles, Clothing and Environmental Arts

School of Nursing

Public Health

Labor Relations and Research Center

Libraries

ADMINISTRATIVE SERVICES

V.C.'s Office and Staff

Campus Center

- Administration
- Physical Facilities
- Restaurant Operations
- University Store
- Hotel Services
- Parking Garage

Administrative Support

- Business Manager
- Central Mail
- Communications Office
- Copy Centers
- Duplicating
- Property and Receiving

Physical Plant Operations

- Administration
- Maintenance and Custodial
- General Maintenance
- Off-Campus Maintenance
- Preventive and Special Maintenance

- Engineering
  - Design Engineering
  - Project Engineering

- Central Stores Section
- Power Plant
- Transportation Section

Boarding Hall Operations

Housing Operations

- Administration
- Area Offices
- Summer Conferences
- Married Students
- Division of Dormitories
- Division of Apartments

Parking and Transportation

Personnel and Financial

- Accounting
- Cashiering
- Personnel/Payroll Office
- Procurement Office

STUDENT AFFAIRS

Residential Program
- Central Area
- Northeast Area
- Orchard Hill Area
- Southwest Area
- Sylvan Area
- Greek Affairs

Non-Resident Program
- Non-Resident Students
- Veterans Affairs

Public Safety
- Administration
- Police Services
- Security Services

Admissions, Records, Aid
- Financial Aid
- Transfer Affairs
- Registrar
- Undergraduate Admissions
- Work Study Program

Psychological Counseling

V. C.'s Office and Staff
- Housing Office
- Research
- Women's Center
- Community Development/Human Relations

Career Planning and Placement

Student Activities
- Program Council
- Recognized Student Organizations
- Student Activity Tax Supported Grant
- Other Self Supported Student Organizations

University Health Services
- Administration and Support
- Community Health
  - Health Education
  - Room to Move
- Dental Health
- Environmental Health and Safety
- Medical Care
- Mental Health

PERSONNEL

The University employees can be grouped in a variety of ways. One is by type of position, another is source of funds, another is by function, another is by salary, and there are many others. Only a few are used in this report.

The first table gives a coarse analysis for three categories by source of funds. Note that all faculty are supported by state funds. The second table shows how the permanent state-funded positions are distributed among various administrative units identifiable from the organization chart.

Table 1

		1972-73	1971-72
State Funded Positions			
	Permanent (Account 01) Positions		
	Faculty	1,414	1,357
	Professional	457	452
	Classified	1,736	1,732
	Temporary (Account 02) Positions		
	Faculty	---	---
	Professional	10.5	10.5
	Classified	33.6	33.6
Non-State Funded Positions			
	Faculty	---	---
	Professional	116.3	107.3
	Classified	986.8	974.6
Totals:	Faculty	1,414	1,357
	Professional	583.8	574.3
	Classified	2,738.4	2,740.2
	Total	4,736.2	4,671.5

The division of the 1972-73 Permanent Positions among the main budgetary units is shown below:

Table 2

Distribution of State Funded Permanent Positions

	Faculty	Professional	Classified
Chancellor's & President's Offices	1.50	25.50	21.50
Public Affairs and Alumni	---	17.00	13.00
Vice Chancellor Academic Affairs	1.50	18.00	23.00
Library	---	62.00	122.00
Vice Chancellor Student Affairs	---	92.00	147.00
Vice Chancellor Administrative Serv.	---	27.00	172.00
Physical Plant	---	22.00	670.00
Academic Units			
Faculty of Humanities & F.A.	375.25	3.00	48.00
Faculty of Soc. & Behav. Sci.	238.45	5.00	43.50
Faculty of Nat. Sci. & Math.	284.50	8.00	86.50
Undistributed in C. A. S.	2.10	3.50	11.00
College of Arts & Sciences Subtotal	900.30	19.50	189.00
College of Food and Natural Res.	78.50	124.00	212.50
School of Business Administration	88.50	1.00	17.00
School of Education	87.65	3.00	21.00
School of Engineering	109.50	1.00	45.50
School of Home Economics	26.30	9.00	12.00
School of Nursing	38.25	1.00	5.00
School of Physical Education	48.75	23.00	38.00
Graduate School	20.50	9.00	21.50
Provost's Office	12.75	3.00	6.00
Totals	1,414.00	457.00	1.736.00

Another way to look at the personnel is in terms of the persons employed and their sex. The table below is taken from a report to the Office of Education in the Department of Health, Education and Welfare. It counts persons in positions, but does not include persons employed on a temporary, time-card basis. It also reflects the recipient's definitions of terms which are not always in exact agreement with our interpretations.

Table 3
Number of Employees, September 1972

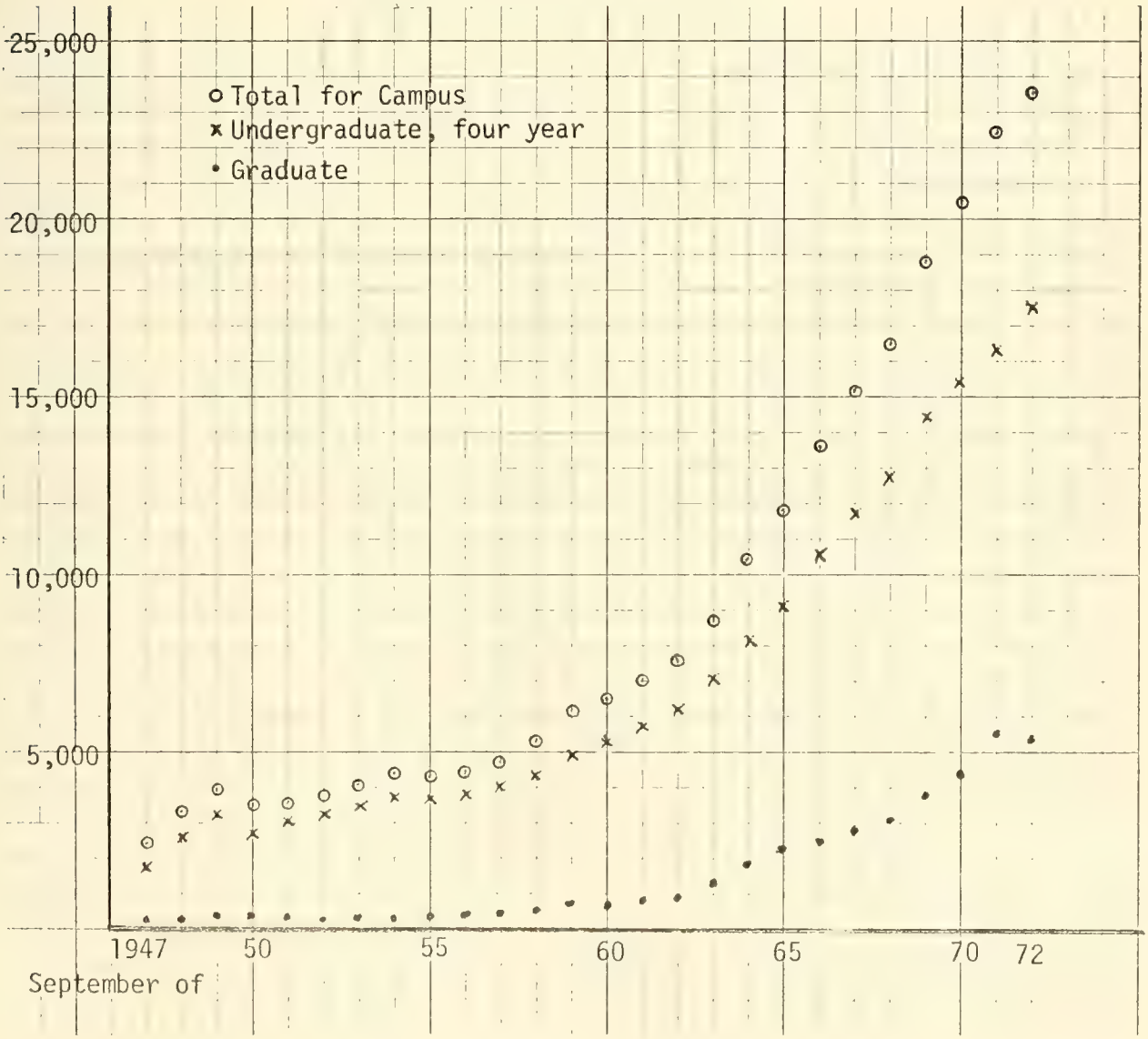
		Full Time	Part Time	FTE*
Executive, Administrative	Men	106	0	106.0
	Women	8	0	8.0
	Both	114	0	114.0
Faculty	Men	1,218	29	1,231.0
	Women	208	34	226.7
	Both	1,426	63	1,457.7
Other Professional	Men	313	15	318.9
	Women	123	16	132.4
	Both	436	31	451.3
Graduate Assistants and Associates	Men	0	1,499	427.0
	Women	0	572	158.7
	Both	0	2,071	585.7
Professional Subtotal		1,976	2,165	2,608.7
Non Professional		3,091	86	3,132.7
TOTAL		5,067	2,251	5,741.4

*FTE means number of full time plus the fractions for the part time.

ENROLLMENT GROWTH SINCE 1947

Since this is the 25th year after the University of Massachusetts was created by renaming Massachusetts State College, it seems appropriate to include a brief statement about one of the most dramatic changes which has occurred during this period, the expansion of the student body.

ENROLLMENT, UM/A, 1947 - 1972



Other aspects of the University have shown comparable growth patterns, but the size of the student body is one of the best over-all measures of the amount of activity on the campus. There have also been qualitative changes during this period but they are not easily quantified or graphed.

The graph shows the approximately ten-fold increase during this period. Stockbridge school enrollment would be lost on this scale, but it was over 400 in the years 1947 to 1950, dropped to a low of 263 in 1953, and has since increased gradually to this year's 649. The undergraduate sector had a rapid increase in the late 40's and then began a slow increase until 1958, a more rapid increase in 1959 and a further speed up since 1963. The graduate student enrollment shows only a small post-war bulge, but it also began its rapid increase in 1963; the actual drop in graduate enrollment for the current year was planned and there will be a levelling off of all enrollments in the next few years.

It should also be noted that in 1947 and 1948, 1763 and 813 students, respectively, were enrolled for University courses at Fort Devens. In this sense, the University started with two campuses. The graph shows only the Amherst campus enrollment both for these two years and for the period since 1965 when the Boston campus started enrolling students.

In 1947 the student body was 17.6% Stockbridge, 8.1% graduate and the remaining 74.3% undergraduate. By 1972 these percentages had changed to 2.7% Stockbridge, 22.8% graduate and still 74.5% undergraduate.

INSTRUCTIONAL PROGRAMS

The instructional programs are the basic raison d'etre of the University and this section points out the extent and diversity of these programs.

On this campus, the University awards degrees at four main levels. The Stockbridge School of Agriculture, an activity of the College of Food and Natural Resources, awards Associate degrees to students who complete any one of thirteen two year programs.

All the schools and colleges train students for and award Bachelors' degrees. In all, there are 65 of these degree programs and each of these "four-year" programs culminates in one of the eleven different degrees. Two of these programs became operational this year. The programs leading to the professional degrees are accredited by a professional organization and the recipient of the degree earns a professional status along with the baccalaureate.

All the schools and colleges sponsor programs leading to a Master's degree but these degrees are awarded by the graduate school. There are 58 disciplines with master's degree programs and nineteen differently named master's degrees are awarded.

A doctoral degree can be earned in every school or college except the School of Nursing. The School of Education sponsors programs leading to the Doctor of Education degree and to a certificate of advanced study. The other schools have programs leading to Doctor of

Philosophy degree. Some of these programs which involve faculty from the neighboring Colleges are designated as Five-College Programs. In all, there are 48 such programs and nine of them include the Five-College ramification.

Table 4 contains a summary of the number of degrees at each level from each of the schools and colleges for the current year and the preceding one. Table 5 is more detailed and lists the number of student majors at each level for this year and last. While it is true that freshmen and sophomores may enroll in a major, there are so many changes of major (40% of the class changed during a year) that these figures can be very misleading and are therefore not included here.

Another way to look at the instructional program is through the disciplines. For this purpose a discipline is a series of related courses which have been identified as a group. For example, the Japanese language is studied in a sequence of six courses which are part of the offerings of the Asian Studies Program but there is no major program in Japanese or Asian Studies; these six courses constitute Japanese as a discipline. An important feature of the above definitions is the identification of a group of courses; the identification used here is the one used in the catalogue and schedule book. One result is that some groups of courses which might constitute a discipline are not distinguished as such by this criterion. For example, American History is not distinguished from European history because the courses are not separately listed. Despite these caveats, one finds that there are 107 disciplines distributed among the academic units.

The aggregate student credit hours (SCH) is taken as the measure of the size of the discipline. For each course the number of students is multiplied by the credit rating of the course and the products are added for all courses in the discipline to obtain the aggregate SCH. For each discipline, the credits earned by graduate students are kept separate from those earned by undergraduates. In Table 6, the disciplines are listed within the departmental structure along with the student credit hours at each of the two levels and for both the current year and the preceding one.

The effort to restrain the growth of the graduate school is reflected by the decrease in the graduate student credit hours.

Tables 7 and 8 contain summaries of Tables 5 and 6 respectively, but also show percentages. This kind of information shows relative changes among the units and corrects for the overall growth of the campus enrollment.

Table 4

DEGREES AWARDED

	1972-73			1971-72		
	B	M	D	B	M	D
Faculties						
Humanities and Fine Arts	630	157	36	666	144	22
Social and Behavioral Sciences	808	106	25	722	82	33
Natural Sciences and Mathematics	283	71	59	255	93	38
College of Arts and Sciences	1,721	334	120	1,643	319	93
College of Food and Natural Resources	288	94	27	256	56	26
School of Business Administration	313	134	9	376	90	8
School of Education	482	441	156	461	318	84
School of Engineering	200	69	15	165	61	19
School of Home Economics	240	14	0	160	4	0
School of Nursing	80	5	0	79	7	0
School of Physical Education	198	42	2	198	20	0
Graduate School	0	36	6	0	11	6
Provost's Office	140	27	0	52	21	0
Campus Aggregate	3,662	1,196	335	3,390	907	236
Continuing Education	9	0	0	1	0	0
Stockbridge	246 Associate Degrees			234 Associate Degrees		

B = Bachelor's Degree M = Master's Degree D = Doctorate

Table 5

Degree Programs and Majors

The various degree programs are listed below within the departmental structure. For each program, and for the current and the preceding year, the number of students enrolled in the program at each of three levels is shown. The levels are junior-senior (4-5), master's degree (M) and doctoral degree (D). Freshmen and sophomores are omitted because these figures are hard to interpret. Many of them have not chosen a major and many of them who have chosen a major change within a year.

	Fall 1972			Fall 1971		
College of Arts & Sciences	J-S	M	D	J-S	M	D
Humanities & Fine Arts						
Afro-American	5	--	--	--	--	--
Art	169	--	--	119	--	--
BFA	112	60	--	109	51	--
Classics	6	--	--	8	--	--
Latin						
Comparative Literature	24	9	20	16	9	10
English	561	72	99	590	103	119
Journalistic Studies	49	--	--	46	--	--
French and Italian	92	16	20	87	18	27
Italian	4	--	--	6	--	--
Germanic Languages	24	13	22	16	5	23
Hispanic Languages	50	15	14	47	15	20
History	339	62	39	383	83	36
Linguistics	--	4	19	--	10	10
Music	1	--	--	--	--	--
Bachelor Music	49	31	--	36	19	--
Philosophy	46	3	30	32	5	24
Slavic Languages	15	14	--	12	14	--
Theater	61	27	--	*	*	--
Humanities & Fine Arts	1,610	326	263	1,506	335	266

*Included with Speech.

Table 5, continued

	Fall 1972			Fall 1971		
	J-S	M	D	J-S	M	D
Faculty of Social and Behavioral Sciences						
Anthropology	98	14	50	88	13	39
Economics	106	22	25	121	27	20
Political Science	402	33	49	354	35	31
Psychology	721	6	140	640	6	119
Sociology	395	19	44	386	24	36
Speech	265	41	21	224	75	8
Faculty of Social & Behavioral Sciences	1,987	127	329	1,813	180	253
Faculty of Natural Sciences & Mathematics						
Biochemistry	32	8	17	16	3	18
Botany	37	15	19	27	24	8
Chemistry	63	15	79	62	19	81
Geology	56	24	24	46	30	17
Geography	30	--	--	28	--	--
Math	199	10	50	188	31	49
Microbiology	32	4	20	30	13	17
Physics & Astronomy						
Physics	23	12	52	23	18	65
Astronomy	11	2	20	8	2	21
Zoology	215	26	20	172	26	23
Faculty of Natural Sciences & Mathematics	698	116	311	600	166	299
Honors	42	--	--	31	--	--
Pre-Professional	72	--	--	58	--	--
Undistributed	271	--	--	166	--	--
S.E.E.S.	2	--	--	1	--	--
College of Arts & Sciences	4,680	567	903	4,607	681	818

Table 5, continued

	Fall 1972			Fall 1971		
	J-S	M	D	J-S	M	D
College of Food & Natural Resources						
Agricultural & Food Economics	37	21	7	45	14	8
Entomology	15	8	3	17	9	5
Environmental Science	--	--	--	--	--	--
Food & Agricultural Engineering	--	3	11	--	5	7
Food Science & Technology	27	21	19	15	20	23
Forestry & Wildlife						
Fisheries	34	12	3	33	7	4
Forestry	92	19	12	68	18	9
Natural Resource St.	16	--	--	--	--	--
Wildlife	89	13	5	76	11	9
Wood	28	2	2	30	7	0
Hotel, Res. & Travel Admin.	163	--	--	134	--	--
Landscape Arch. & Regional Planning						
Environmental Design	169	--	--	158	--	--
Regional Planning	--	38	--	--	34	--
Landscape Architecture	--	47	--	--	41	--
Plant & Soil Science	50	18	13	37	16	13
Plant Pathology	16	10	1	13	7	3
Veterinary & Animal Science	93	14	13	68	17	13
Undistributed	18	--	--	8	--	--
College of Food & Natural Resources	843	226	87	703	207	94
School of Business Administration						
Accounting	238	--	--	134	12	--
Gen. Business & Finance	129	--	--	112	--	--
Management	144	--	--	111	--	--
Marketing	139	--	--	140	--	--
Undistributed	175	269	39	257	197	36
School of Business Administration	826	269	39	754	209	36
School of Education	903	408	667	904	507	446
School of Engineering						
Chemical	33	21	18	39	30	20
Civil						
Civil	158	12	13	153	36	21
Environmental	--	28	8	--	9	3
Ocean	--	8	5	--	6	2

Table 5, continued

	Fall 1972			Fall 1971		
	J-S	M	D	J-S	M	D
Electrical & Computer						
Electrical	128	32	26	126	34	25
Computer Sci. Engineering	12	--	--	(New)	--	--
Industrial & Operations Research	37	18	15	50	17	16
Mechanical & Aerospace	108	43	18	121	29	16
Undistributed	20	--	--	3	--	--
School of Engineering	498	162	103	487	161	103
School of Home Economics						
Human Development	358	--	--	267	--	--
Nutrition & Food	--	17	5	--	11	3
Undistributed	273	26	--	187	31	--
School of Home Economics	631	43	5	454	42	3
School of Nursing	215	40	--	188	35	--
School of Physical Education						
Exercise Science	--	--	--	--	--	--
Leisure Studies	102	--	--	64	--	--
Undistributed	401	45	23	393	50	17
School of Physical Education	503	45	23	457	50	17
Graduate School						
Computer & Information	--	45	10	--	34	--
Marine	--	6	--	--	11	--
Polymer	--	10	30	--	15	24
Graduate School	--	61	40	--	60	24
Provost's Office						
B.D.I.C.	149	--	--	73	--	--
Honors	--	--	--	--	--	--
Labor Relations	--	31	--	--	28	--
Public Health						
Public Health	68	58	--	45	57	--
Medical Technology	77	--	--	53	--	--
Provost's Office	294	89	--	171	85	--
Total	9,425	1,910	1,869	8,310	2,045	1,534

Table 5, continued

Stockbridge School
Associate Degree Programs

	1972	1971
Agricultural Business Management	16	16
Animal Science	66	68
Arboriculture & Park Management	105	98
Environmental Technology	37	35
Floriculture	40	39
Food Distribution	8	12
Food Processing Technology	7	12
Fruit and Vegetable Crops	30	25
Hotel, Restaurant & Travel Administration	126	122
Laboratory Animal Technique	47	32
Landscape Operation	51	48
Turf Management	112	104
Wood Utilization	--	13
Total	646	624

Table 6

Instructional Programs, Disciplines, and SCH

The various disciplines in which instruction is offered are listed below in a format which follows the department, faculty, school, and college organization. A discipline is a group of courses identified as a unit by the registrar. The number of Student Credit Hours (SCH), both undergraduate and graduate, is shown for the departments and for most of the separate disciplines of the department. The student credit hours figure is chosen as a reasonable measure of the size of the program, for it is the sum of the credits earned by students enrolled in the couses of the discipline. Enrollment figures for a date in the fall semester are used; corresponding data for the fall of 1971 are supplied for a basis of comparison.

	Student Credit Hours - - - - - SCH			
	Fall 1972		Fall 1971	
Discipline	Under.	Grad.	Under.	Grad.
Faculty of Humanities & Fine Arts				
Afro-American Studies	1,623	--	1,263	--
Art	6,330	886	5,718	978
Classics				
Arabic	78	--	72	--
Armenian	90	--	48	--
Classics	881	3	808	21
Greek	95	--	92	--
Hebrew	318	--	109	--
Judaic Studies	225	--	--	--
Latin	636	79	602	106
Near Eastern Studies	18	--	--	--
Persian	9	--	--	--
Turkish	12	--	--	--
Comparative Literature	1,238	136	1,386	204

Table 6, continued

Discipline	Student Credit Hours - - - - - - - SCH Fall 1972 Under.	Fall 1972 Grad.	Fall 1971 Under.	Fall 1971 Grad.
English				
English	15,173	1,331	14,534	2,093
Journalistic Studies	522	---	321	---
French and Italian				
French	4,734	270	4,503	339
Italian	612	3	609	12
Germanic Languages & Literatures				
Danish	36	---	42	---
Dutch	36	---	45	---
German	2,130	236	2,480	237
Swedish	114	---	138	---
Hispanic Languages & Literatures				
Portuguese	186	---	141	---
Spanish	3,897	171	3,090	205
History	12,324	859	12,876	1,560
Latin American Studies	18	---	15	---
Linguistics	480	244	564	231
Music	3,089	233	2,941	207
Philosophy	4,635	335	5,037	341
Slavic Languages & Literatures				
Polish	69	---	45	---
Russian	561	152	570	135
Theater	1,830	126	2,040	186
Faculty of Humanities & Fine Arts	61,989	5,064	59,989	6,855
Faculty of Social & Behavioral Sci.				
Anthropology	4,365	607	5,550	518
Asian Studies				
Asian Studies	153	---	156	---
Chinese	339	---	213	---
Japanese	165	---	141	---
Economics	5,286	695	5,541	715
Political Science	6,126	800	7,014	630
Psychology	24,057	1,746	23,745	1,949
Sociology	11,340	705	11,346	750
Speech	4,539	736	3,969	839
Faculty of Social & Behavioral Sci.	56,370	5,289	57,693	5,401

Table 6, continued

Discipline	Student Credit Hours - - - - - - - SCH Fall 1972 Under.	Fall 1972 Grad.	Fall 1971 Under.	Fall 1971 Grad.
Faculty of Natural Sciences & Math.				
Biochemistry	864	339	636	350
Botany	5,016	294	4,133	300
Chemistry	7,250	1,024	7,360	1,175
Geology & Geography				
Geography	864	---	858	---
Geology	2,443	548	2,583	487
Mathematics & Statistics				
Mathematics	14,031	579	14,982	836
Statistics	1,953	183	1,935	159
Microbiology	1,394	279	2,563	345
Physics & Astronomy				
Physics	4,779	453	4,316	555
Astronomy	2,235	166	1,879	156
Zoology	7,551	564	7,241	625
Faculty of Natural Sciences & Math.	48,380	4,429	48,486	4,988
Rhetoric	12,183	---	12,924	---
Unassigned	968	---	270	---
College of Arts & Sciences	179,890	14,782	179,362	17,244
College of Food & Natural Resources				
Agricultural & Food Economics	2,189	185	2,019	189
Entomology	712	57	603	96
Environmental Science	205	33	289	18
Food & Agricultural Engineering	1,281	77	785	123
Food Science & Technology	4,636	274	3,750	301
Forestry & Wildlife				
Fish	246	76	149	71
Forestry	1,915	224	1,806	245
Wildlife	680	80	773	87
Wood	444	36	303	80
Hotel, Restaurant & Travel Admin.	2,461	---	1,997	---
Landscape Arch. & Regional Plan				
Environmental Design	2,421	62	1,853	
Landscape Architecture	1,259	316	940	459
Regional Planning	---	314	---	323

Table 6, continued

	Student Credit Hours - - - - - - - SCH			
	Fall 1972		Fall 1971	
	Under.	Grad.	Under.	Grad.
Plant & Soil Sciences	3,812	175	2,940	151
Plant Pathology	203	82	85	57
Veterinary & Animal Science	2,315	328	1,711	237
College of Food & Natural Resources	24,779	2,346	20,003	2,427
School of Business Administration				
Accounting	4,947	126	3,888	78
General Business & Finance				
Finance	1,140	318	1,583	162
Management	3,597	---	3,037	---
Management	2,601	3	2,115	12
Marketing	2,532	---	2,097	42
Undistributed	78	3,018	---	2,650
School of Business Administration	14,895	3,465	12,720	2,944
School of Education	19,629	12,488	22,386	11,151
School of Engineering				
Chemical Engineering	425	484	419	453
Civil Engineering	2,425	691	2,189	687
Electrical Engineering	1,633	511	1,632	494
Industrial Engin. & Oper. Res.	474	401	435	282
Mechanical & Aerospace	1,612	525	1,544	439
Undistributed	882	---	1,116	---
School of Engineering	7,451	2,512	7,335	2,355
School of Home Economics				
Home Econ. Education (Com. Serv.)	599	36	350	21
Human Development	4,155	103	3,186	150
Nutrition & Food	1,047	126	1,448	110
Tex. Cloth., & Environ. Arts	1,830	---	2,039	48
Undistributed	721	---	90	9
School of Home Economics	8,352	265	7,113	338

Table 6, continued

Discipline	Student Credit Hours - - - - - - SCH Fall 1972 Under.	Fall 1972 Grad.	Fall 1971 Under.	Fall 1971 Grad.
School of Nursing	2,900	397	2,458	129
School of Physical Education				
Exercise Science	1,227	233	---	---
Liesure Studies	674	---	306	---
P. E. Women and Men	7,885	297	8,695	588
School of Physical Educ., Subtotal	9,786	530	9,001	588
Graduate School				
Computer Science	1,436	536	1,020	477
Marine Science	513	36	291	45
Polymer Science	15	312	---	367
Graduate School, Subtotal	1,964	884	1,311	889
Provost's Office				
Air Science	139	---	142	
Military Science	133	---	125	
Labor Relations & Research Ctr.	---	129	---	150
Medical Technology	167	---	---	---
Public Health	2,160	751	1,593	793
B.D.I.C.	204	---	---	---
Honors	411	---	66	---
U.W.W.	510	---	---	---
Residential Colleges				
Central	217	---	---	---
Northeast	299	---	---	---
Orchard Hill	3,339	---	1,107	---
Project Ten	1,176	---	---	---
Sylvan	134	---	---	---
Southwest	3,021	---	2,613	---
Provost's Office	11,910	880	5,646	943
Campus Total	281,556	38,549	276,335	39,008

Table 7

	MAJORS, FALL 1971						MAJORS, FALL 1972					
	Undergraduate		Junior/Senior		Graduate		Undergraduate		Junior/Senior		Graduate	
Faculties	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Humanities and Fine Arts	2,480	15.2	1,506	18.1	1,063	19.1	2,480	14.0	1,610	17.1	939	17.5
Social and Behavioral Sciences	3,004	18.4	1,813	21.8	689	12.4	2,829	16.0	1,987	21.1	694	12.9
Natural Sciences and Mathematics	1,358	8.3	600	7.2	608	10.9	1,132	6.4	701	7.4	567	10.5
Undistributed	1,939	11.9	255	3.1	---	---	2,923	16.5	382	4.1	---	---
College of Arts and Sciences	8,781	53.8	4,174	50.2	2,360	42.4	9,364	53.0	4,680	49.7	2,200	40.9
College of Food and Natural Resources	1,219	7.5	703	8.5	397	7.1	1,509	8.5	843	8.9	405	7.5
School of Business Administration	1,334	8.2	754	9.1	359	6.4	1,431	8.1	826	8.8	364	6.8
School of Education	1,421	8.7	904	10.9	1,660	29.8	1,337	7.6	903	9.6	1,593	29.6
School of Engineering	985	6.0	487	5.9	343	6.2	907	5.1	498	5.3	351	6.5
School of Home Economics	768	4.7	454	5.5	73	1.3	899	5.1	631	6.7	71	1.3
School of Nursing	419	2.6	188	2.3	41	.7	436	2.5	215	2.3	50	.9
School of Physical Education	821	5.0	457	5.5	97	1.7	826	4.7	503	5.3	94	1.7
Graduate School	---	---	---	---	116	2.1	---	---	---	---	126	2.3
Provost's Office	279	1.7	189	2.3	100	1.8	571	3.2	325	3.4	108	2.0
Unassigned	286	1.8	---	---	21	.4	402	2.3	---	---	17	.3

Table 8

STUDENT CREDIT HOURS
U.=Undergraduate G.=Graduate

Faculties	Fall '71 U.	%	Fall '72 U.	%	Fall '71 G.	%	Fall '72 G.	%
Humanities and Fine Arts	58,046	21.8	61,989	22.0	6,669	17.1	5,064	13.2
Social and Behavioral Sciences	59,715	22.4	56,370	20.0	5,587	14.3	5,289	13.7
Natural Sciences and Mathematics	48,486	18.2	48,380	17.2	4,988	12.8	4,429	11.5
Undistributed	12,924	4.8	13,151	4.7	---	---	---	---
College of Arts and Sciences	179,171	67.2	179,890	63.9	17,244	44.2	14,782	38.4
College of Food and Natural Resources	20,003	7.5	24,779	8.8	2,427	6.2	2,346	6.1
School of Business Administration	12,720	4.8	14,895	5.3	2,944	7.6	3,465	9.0
School of Education	22,386	8.4	19,629	7.0	11,151	28.6	12,488	32.3
School of Engineering	7,335	2.7	7,451	2.6	2,355	6.0	2,512	6.5
School of Home Economics	7 7,113	2.7	8,352	3.0	338	.9	265	.7
School of Nursing	2,458	.9	2,900	1.0	129	.3	397	1.0
School of Physical Education	9,001	3.4	9,786	3.5	588	1.5	530	1.4
Graduate School	1,311	.5	1,964	.7	889	2.3	884	2.3
Provost's Office	5,646	2.1	11,910	4.2	943	2.4	880	2.3
Unassigned	---	---	---	---	---	---	---	---
Campus Aggregate	266,679	100.2	281,556	100.0	39,008	100.0	38,549	100.0
Students	16,938		18,331		5,567		5,379	
Cr./Student	15.74		15.36		7.0		7.2	

SOME CHARACTERISTICS OF THE STUDENT BODY

The next few pages contain reports on the student body at various levels relative to certain subdivisions in the fall of 1972.

First we look at the division by sex and see that percentage of males has decreased slightly in most groups.

	Fall 1972 Male	Fall 1972 Female	Fall 1972 % Male	Fall 1971 % Male
Stockbridge	565	84	87.0	88.0
Freshmen	2,084	1,707	55.0	57.8
Sophomore	2,335	1,729	57.4	56.5
Junior	2,773	2,078	57.0	59.5
Senior	2,654	1,920	58.0	58.1
Other	126	276	31.4	25.2
4-Year (Subtotal)	9,972	7,710	56.3	57.5
Graduate	3,627	1,752	67.4	66.6
Total	14,164	9,546	59.6	60.1

A second feature is the married vs. single dichotomy. The table does not distinguish between sexes, but it is known that about two thirds of the married students are males, and it is estimated that about one-quarter of the married male students have wives who are also students. It is no surprise to see the percentage of married students increase with increasing age.

	Fall 1972 Married	Fall 1972 Single	Fall 1972 % Married	Fall 1971 % Married
Freshmen	95	3,696	2.5	2.2
Sophomores	195	3,869	4.8	4.8
Juniors	474	4,377	9.8	10.9
Seniors	633	3,941	13.9	13.4
Other	184	218	45.8	53.5
4-Year Subtotal	1,581	16,101	8.9	8.7
Graduate	2,472	2,907	46.0	43.8
Total	4,053	19,008	17.6	17.0

The veterans constitute a special group of students and there are several females in the group.

	Veterans	Fall 1972 Non-Veterans	% Veterans	Fall 1971 % Veterans
Stockbridge	87	542	13.9	12.0
Freshmen	177	3,614	4.7	5.1
Sophomores	296	3,768	7.3	8.4
Juniors	562	4,289	11.6	11.4
Seniors	529	4,045	11.6	9.2
Other	28	374	7.0	7.0
Undergraduate Subtotal	1,592	16,090	9.0	8.7
Graduate	851	4,528	15.8	14.4
Total	2,527	20,534	11.0	10.2

Starting in the fall of 1972, a report on the racial background of students was prepared and sent to the Department of Health, Education, and Welfare. The data from that report is summarized here. The basic information was supplied voluntarily by students. Some of these

		American Indian	Afro-American	Oriental	Spanish Surnamed
Stockbridge	No.	3	5	3	0
	%	0.5%	0.8%	0.5%	0
Freshmen		13	185	41	35
Sophomores		13	193	43	37
Juniors		17	235	52	44
Seniors		16	227	50	43
Other		0	3	2	2
4-Year Subtotal	No.	59	843	188	161
	%	0.3%	4.8%	1.1%	0.9%
Graduate	No.	18	237	23	44
	%	0.3%	4.3%	0.4%	0.8%
Total	No.	90	1,085	214	205
	%	0.4%	4.6%	0.9%	0.9%

are clearly too small to be accurate for there are over 100 graduate students from Taiwan, Hong Kong, Korea and Japan.

The home addresses of students exhibit one aspect of the source of students. The Amherst campus actively participates in the New England Regional Student Program, sponsored by the New England Board of Higher Education, and several exchange programs which bring in out-of-state students who are excluded from the 5% out-of-state rules for 4-year undergraduates. Note the increase in the fraction of in-state students.

	Fall 1972		Fall 1971
	% Mass.	% Foreign	% Mass.
Stockbridge	87.7		87.2
Freshmen	92.5	0.6	91.7
Sophomores	92.5	0.4	93.0
Juniors	94.6	0.4	93.8
Seniors	93.8	0.4	92.0
Other	75.0	1.5	72.6
4-Year Subtotal	93.4	0.5	92.4
Graduate	52.4	9.0	53.5
Total	83.9	2.4	82.6

The percentage of out-of-state students can be found by subtraction.

Another aspect of the source of students is the number of students new to the campus in September and the number of applicants from which they are culled. The data is the number of new students as a percentage of the group enrolled and as a percentage of the applicants. The

	Fall 1972			Fall 1971	
	New Students	% of Group	% of Applicants	% of Group	% Applicants
Stockbridge	360	55%		55%	
Freshmen	3,463	91%	20%	93%	17%
Sophomores	260	6%		5%	
Juniors	1,213	25%	29%	22%	21%
Seniors	8	0%		0%	
4-Year Subtotal	4,944	28%	24%	31%	18%
Graduate	1,666	31%	16%	36%	17%
Total	6,970	29%	23%	32%	

reduced growth rate is reflected in the smaller percentages of new students. The increases in the percentage of applicants comes more from reductions in the number of applicants, especially out-of-state, rather than from an increase in the number of new students enrolled.

Some fairly recent studies have given some information about the time interval from first enrollment to completion of the various degrees. At the graduate level there is very little transferring before the completion of an advanced degree but it is quite common among undergraduates. For this reason we give two sets of data for bachelors degrees, one for transfers and one for non-transfers. All of this information is based on samples so that we report, in each case, the size of the sample, the smallest, the mean and the largest observed number of years elapsed from start of program to the award of the degree.

Degree Program	Sample Size	Number of Years Smallest	Mean	Largest
Bachelor - no transfer	647	3	4.36	23
Bachelor - transfer	325	3	5.42	18
Masters, with Thesis	92	1	2.77	11
Masters, without Thesis	312	1	2.24	11
Masters, two-year program	50	2	2.16	7
Ph.D., Masters here	69	3	6.38	13
Ph.D., No Masters	34	3	5.35	10
Ph.D., Masters elsewhere	60	2	4.58	8
D.Ed., Masters here	14	3	6.05	12
D.Ed., No Masters	27	2	3.40	6
D.Ed., Masters Elsewhere	65	1	3.11	9

The longest time in almost all cases arise from an interruption of studies; a lady who took time out to raise a family was welcomed back to finish her baccalaureate twenty-three years after she was a freshman. It is reassuring to find that a doctorate based on a master's degree elsewhere takes less time than one which starts from a bachelor's degree.

FACULTY

The main activity of the faculty is the instructional program but this is not the only area of responsibility. Some faculty are assigned duties in the Agricultural Experiment Station, some in the Cooperative Extension Service in lieu of teaching. But such segregations are somewhat artificial and are seldom clear cut; a person assigned to Experiment Station staff will commonly be directing the thesis work of one or more graduate students studying the same problems. These other activities will be described in following sections; the scope of the instructional program was outlined in a preceding section where the emphasis was on the student aspects of the program. Some features of the faculty contribution to the instructional program are described in the faculty service load report.

An average instructional faculty member, if there were such a thing, would find himself actively involved in two and a fraction courses and with one and a fraction students for individual instruction each semester. Over a two year period he will be involved with about five different courses because many courses do not repeat every semester.

Teaching assistants (990 in 1972, 863 in 1971) help support the instructional program in a variety of ways. Some (about 33%) teach a section or two of a course in which a small class size is necessary just as a faculty member would. Others (about 15%) meet with discussion sections and have responsibility to help with the grading of the students in these sections. Another large group (about 30%) meet laboratory sections and have some

responsibility in grading the laboratory work. Some (about 5%) are primarily graders and the others are used as assistants in a variety of more general ways.

The faculty, as individuals and collectively, continued to demonstrate its professional competence in a variety of ways. A comprehensive list of publications from the faculty will be submitted as a supplement to this report. However, there is no reason to doubt that this supplement will again contain about 1500 citations, which is close to one per faculty member on the average. There will also be about ten or a dozen new books written by the faculty this year.

Six faculty members are editors of professional journals and three others have agreed to take on editorships. In addition many others are members of editorial boards for their journals.

Several faculty members have been awarded a special prize:

Commonwealth Poetry Prize of British National Book League
First Prize in the international competition of the Studium Dantis
James R. Cooley Award of American Society of Plant Taxonomists

Some less formal honors include:

An award from the Massachusetts Foreign Language Association
Appointment to Executive Board of the Massachusetts Special Olympics Association
Election as a fellow of the Econometric Society
Election as a fellow of the American Physical Society

Another form of recognition is exemplified by the ten or so invitations to attend and participate in conferences sponsored by professional groups in other countries.

FACULTY SERVICE LOAD STUDY

In October of 1972, each faculty member was asked to submit a supplement to his annual report in which he reported not only his current teaching assignments but also the number of hours in his typical work week and how they were distributed among several categories. A complete summary was prepared and distributed over the campus; only a few highlights are repeated here.

The supplements were first separated into two sets; regular ones and those from persons who had assigned obligations for administrative, research, public service or other duties in lieu of teaching.

Figure 1 shows a slight modification of part of the supplement completed by the faculty members with the averages of the regular responses inserted. Several features are worth noting. Although only

Figure 1

Average allocation of time (hours per week) during this semester:

(A)	Total hours in average work week during this semester (estimated).....		54.1
(B)	Hours per week in class or laboratory for group teaching.....	9.3	
(C)	Hours per week with students for individual instruction.....	3.7	
(D)	Contact Hours, sum of items (B) and (C).....		13.0
(E)	Additional Hours for tasks related to teaching such as preparation, grading, advising students, office hours, planning new courses, supervising assistants, reading theses, etc.....		19.6
(F)	Administrative duties including departmental meetings and chores, committee meetings and work, and Faculty Senate assignments.....		4.8
(G)	Research (sponsored or non-sponsored), writing, and creative activity, IIIA and IIIB of Annual Report.....		13.0
(H)	Other professional activities, including outreach, editorial work, professional public service, etc. without extra compensation (A.R.IV)..		2.7
(I)	Other professional activities for extra compensation this semester, e.g., consulting or a continuing education course.....		0.9

9.3 hours per week in class or laboratory was reported, on the average, there was an additional 3.7 hours for thesis supervision and other individual instruction leading to a total of 13 hours of teaching contact hours with students. Additional chores directly related to teaching, along with administrative duties (some of which are also closely related to teaching), account for over 37 hours which is the accepted total work week for some people. Over 60% of the work week is devoted to teaching and teaching related activities. Figure 2 shows the differences in averages of the reports from several subgroups of the faculty.

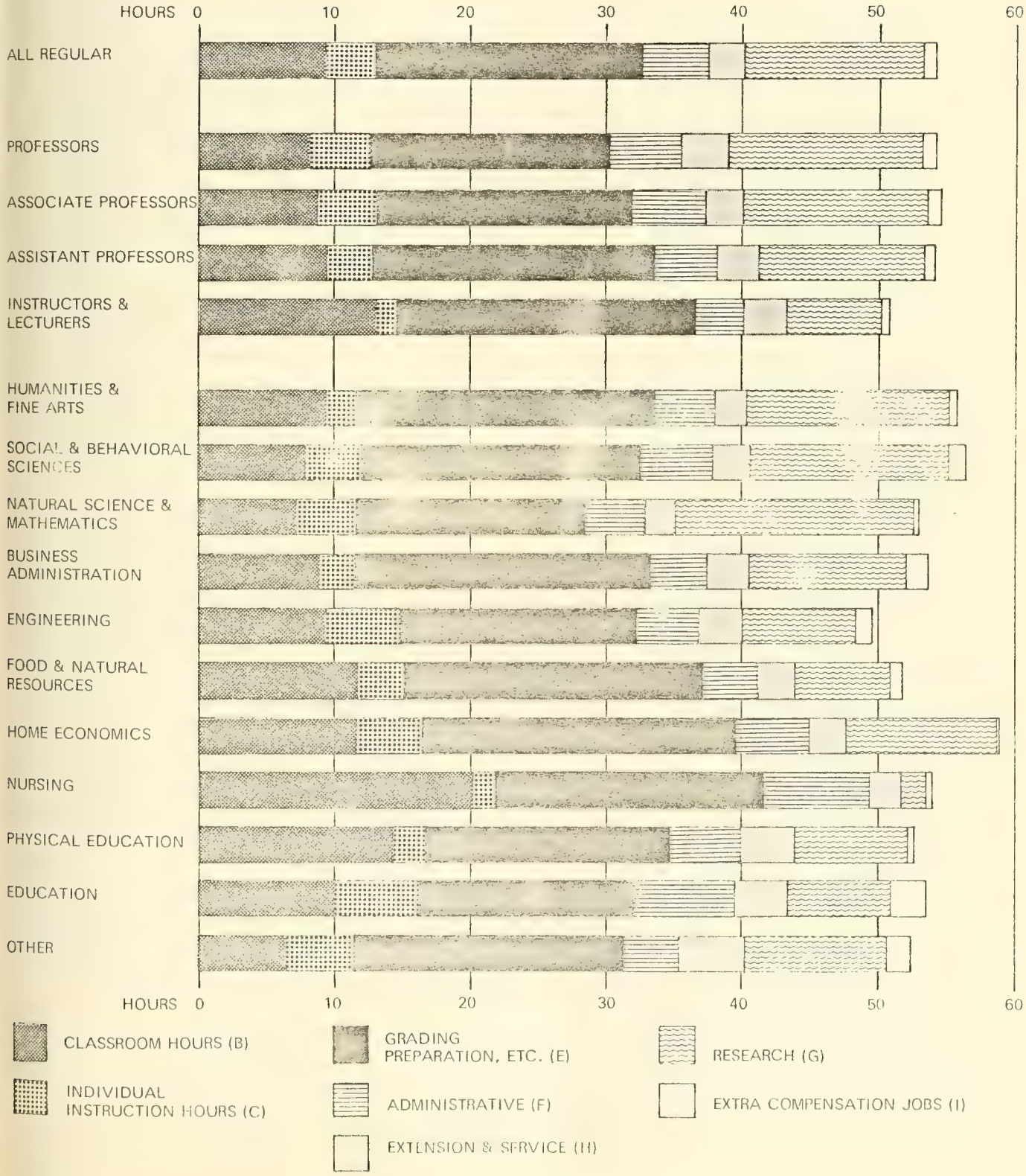
The main report used various subdivisions of the released time (from teaching) group to establish the credibility of the summaries. Here we merely show the comparison of the average of the released time responses with that of the regular ones, and comment that although the means in categories F G H are not very different, individual reports will show a strong concentration of hours in one of the three.

HOURS PER WEEK

Activity		Released		Regular
(A) Total work week, hours		55.1		54.1
(B) Classroom and Laboratory teaching	4.6		9.3	
(C) Individual Instruction, includes thesis supervision	3.2		3.7	
(D) Teaching contact, (B) + (C)		7.8		13.0
(E) Teaching related hours		11.4		19.6
(F) Administrative, including committee work		14.0		4.8
(G) Research and Creative		11.2		13.0
(H) Other professional without extra compensation		9.8		2.7
(I) Other professional with extra compensation		0.9		0.9

Figure 2

FACULTY SERVICE LOADS, FALL 1972
MEANS OF REPORTED HOURS PER WEEK



RESEARCH PROGRAM

The research program of the Amherst campus can be considered to have three sectors which operate in different ways.

The first, and most highly structured sector consists of the Agricultural Experiment Station activities, supported by an appropriation from the federal government as a part of the land-grant agreement and utilizing the Cranberry Station in Wareham, the Suburban Experiment Station in Waltham and additional facilities in Amherst, Belchertown, Leverett, Pelham, and South Deerfield. The federal appropriation covers salaries, supplies, travel, etc., budgeted in the usual way and is a permanent part of the University and the Amherst campus which includes the Director of the Experiment Station.

The second sector is made up of activities supported by special grants to the University for use by a designated principle investigator. Such grants come from a government agency, a foundation, or corporation as a result of a request, initiated by an individual or a group, for support of an activity described in the request. The actual grant is to the University is based on a budget approved in advance as part of the request, and includes both support of the specific activities, administered by the principal investigator, and usually an overhead allowance for the University outside the purview of the principal investigator. Most of these grants are for research purposes, but some support educational innovations so that, to include the latter, the name <u>sponsored activities</u> is used for this sector. A supplement to this report is the detailed report on sponsored activities prepared through the Graduate School.

The third sector is made up of all other research and creative efforts by the faculty and staff. The scope and extent of these activities is enormous. Books are written, poems and musical works are composed, paintings and statues are created, reports of investigations are prepared, ramifications of ideas are outlined, discoveries are made, and new methods or techniques are found. When these are published, or transmitted to students, or made available to the general public, the contribution becomes recognizable. But even without recognition, the effort is there even though it is hard to measure or evaluate.

One crude comparison of the magnitudes of these sectors is to look at the number of professional staff involved. About 150 faculty and professional staff members from the College of Food and Natural Resources are to some extent involved in the Experiment Station but most of these are part-time assignments. Well over 200 persons will be listed as principal investigators so that 400 is a reasonable estimate of the number of the professional staff involved in sponsored activities. Over 3/4 of the full-time faculty (about 1,000) report involvement with research or creative effort but this number includes those already mentioned for the first two sectors.

PUBLIC SERVICE

The public service program, like the research program, can be described in three categories.

The first has a long tradition, is regularly provided for in the budget, and receives some of its support from the federal government. This sector includes the extension service, the control services, WFCR - the five college radio station and others.

The second category is made up of a longer list of public service projects which are of a somewhat less permanent nature, which may or may not have some support from an off-campus agency, and which may or may not have some direct financial support from the University.

The third sector will include many more activities, some of which have less formal structures, and many of them make heavy use of student energies in their implementation and operation. Nearly all of the outreach activities have a public service aspect.

Besides this formal parallel with the research program, there are some areas in which it is difficult to draw the line between research and public service. The Water Resources Research Center and the Labor Relations and Research Center both have a strong public service thrust. The same is true of the Center for Business and Economics Research and the Commonwealth Industrial Technology Service, sponsored by the schools of Business

Administration and of Engineering, respectively. Similarly, some of the sponsored activities listed by the research coordinator may be more in the nature of public service than research in the narrow sense.

There has recently been an almost explosive expansion of outreach programs in and through some of which students may earn academic credits for contributing to public service efforts.

The February 1973 Compilation by the Center for outreach lists 74 programs of this nature. Some of these are supported by grants from outside agencies, but most are not. The most significant of these programs are the internships in which the student earns a semester's credit during an off campus semester.

There follows a reasonably complete listing of activities for each of the three categories described above.

Category I: Continuing, regularly budgeted

- Agricultural Extension Program for
  - Dairy
  - Poultry
  - Vegetables
  - Fruit
  - Nursery
  - Cranberry
  - Livestock
  - Horticulture
  - Urban Horticulture
- Community Resource Development
- Home Economics Extension Program for
  - Consumer Education
  - Art and Design
  - Personal and Family Management
  - Community Development

- Housing
- Nutrition Food & Health
- Cultural Heritage
- Human Development & Family Relations

4-H and Youth Programs
Food Distribution Extension Program
Adult Food and Nutrition Program
Youth Food and Nutrition Program
Continuing Education

- Non-degree courses
- Bachelor's degree program
- Master's degree program
- Conference Services and Institutes

WFCR - the five-college radio station
Control Services

- Seed Laboratory
- Mastitis Control
- Feed, Seed, Fertilizer and Dairy Law
- Plant Pathology
- Pullorum Control
- M. G. Control
- Shade Tree Laboratory

Water Resources Research Center
Labor Relations and Research Center
Center for Business & Economic Research
Institute for Man and His Environment
University Year for Action
Upward Bound

Category II: Supported but not regularly budgeted

Commonwealth Industrial Technology (COMTECH)
Quabbin Reservoir Water Analysis
Streptococcus Identification Grant
Legislative Intern Program
Community Mental Health Program
Belchertown Clinical Internship
Clinical Practicum - Communication Disorders Program
Careers Opportunity Program (COP)
Comprehensive Achievement Monitoring
Domestic Action Program
Ecuador Project
Head Start
J.E.S.I.
Media Specialist Program for the Deaf
National Alternative School Program
Teacher Corps
The Nutritional Status of Pre-School Children in Western Massachusetts
Institute for Government Services
Sensory Motor Development Program (Belchertown)

Juvenile Opportunity Extension
Mass. Assn. for the Reintegration of Youth
Room to Move
Environmental Technology

Category III: Other

Arcon (campus guide service)
W.E.B. Du Bois Center (in Springfield)
Campbell Development Project
Fort River School Project
Volunteer in Abnormal Psychology
Introduction to Mental Retardation
Holyoke Tutorial Program
Saturday Drama (for children)
Legislative Research Service
Legal Studies Group
Internship in Student Development
The Alternative Schools Program
CADRE
Teacher Education Program - Urban Education
Education in Community Service Program
Integrated Day
Integrated Program in Teacher Education
Human Development Internship
T.C. & E.A. Internship
Crotchett Mountain Rehabilitation Center
Public Health Field Training Internship
Action Laboratory
Belchertown Volunteers
Boltwood
Coalition for Environmental Quality
Committee on Nutrition and Human Needs
Committee on Poverty
Draft Counseling
Northampton Volunteers
Northern Educational Services
Western Massachusetts Public Interest Research Group
Center for Outreach Programs
Tutors for Foreign Women
Small Business Administration
University Without Walls
Volunteer Income Tax Assistance Program
United Christian Foundation
Problem Pregnancy Counseling
Voluntary Fire Department

THE COLLEGE OF ARTS AND SCIENCES

This is the largest of the academic units on this campus. It is organized into three faculties, each with a separate dean, but some activities are jointly supported. Even with this split, each of the faculties constitutes a larger unit than any of the professional schools.

The activities which are conducted as College matters are 1) the College of Arts and Sciences Information and Advising Center (CASIAC), which collects and makes available information about academic program, rules, and procedures and helps students choose courses and programs of study, 2) a College curriculum committee, and 3) other committees which steer the various interdisciplinary programs. These include the pre-medical and pre-dental programs, Soviet and Eastern Europe Studies, Latin American Studies, and Judaic Studies. The administration of these programs is usually centered in a department.

The individual faculties are quite autonomous as far as budgetary and personnel matters are concerned and each is comparable to one of the schools in this regard. The bulk of the College's activities are centered in the individual departments which, in clusters, form the faculties.

FACULTY OF HUMANITIES AND FINE ARTS

The activities of this Faculty are primarily those of its individual departments. Although the individual reports will follow in alphabetical order, it is advantageous to summarize them by clusters, the members of each cluster having more in common than do the members of different clusters.

Modern Foreign Languages Cluster

In addition to the standard programs (heavily undergraduate with considerable emphasis on the training of persons to teach languages) and involvement in such foreign programs as the Freiburg Program, the Madrid Seminar (which may have to be dropped because of lack of funds), the Bologna Program, the Grenoble Program, and the Pau Program--the language departments are increasingly turning their attention to bilingual/bicultural education. The most active has been the Department of Hispanic Languages and Literatures, which in addition to the Holyoke Tutorial Program that serves the Puerto-Rican community in Holyoke, has recently established Hispanic bilingual/bicultural tracks at both the A.B. and M.A. levels in the Department. The Portugese Program is also developing in this way.

The Department of French and Italian is also developing bilingual/bicultural programs. This year a weekly radio program in French has been established and two new persons especially qualified in bilingual/bicultural teaching for Franco-Americans have been appointed.

The Department of Slavic Languages and Literatures is also breaking new ground with a program in Polish studies, which will include new courses in Polish civilization as well as the established courses in Polish language.

Afro-American Studies, Classics and Comparative Literature

The W.E.B. DuBois Department of Afro-American Studies continues to grow and strengthen. Scholars in diverse fields from anthropology, political science and economics through history, drama, literature, music, art, theater and the dance are offering interdisciplinary programs taught from the Afro-American perspective. Outside specialists have been unanimous and enthusiastic in their praise of this Department, which is possibly the best of its kind in the nation. The acquisition this year of W.E.B. DuBois' papers by the University was a significant landmark.

In addition to responding to recently increased interest in classical Greek and Latin, the Department of Classics has been branching out into Judaic and Near Eastern Studies and religious studies. A variety of significant languages are now being taught in this Department in addition to classical Greek and Latin; these include Arabic, Armenian, Persian, Hebrew, modern Greek, and Yiddish.

The Department of Comparative Literature in conjunction with the English Department has been offering courses to prisoners in the Northampton Jail, which was done without additional remuneration or released time.

History and English (including Journalistic Studies)

The English and History Departments continue to be the largest and the most heavily enrolled in the Faculty. In general, American history is experiencing the heaviest enrollment pressures; the Department is also maintaining a high standard of scholarly excellence.

The Department of English is engaging in a variety of outreach programs, such as the Brooklyn Career Opportunity Program (COP), University Year for Action, the Intern Program in which graduate assistants teach in the community colleges, the Northampton Jail Program (in conjunction with Comparative Literature), and the Freiburg Exchange Program, to name just a few.

Music, Art and Theater

The Departments of Art, Music and Theater will all be expanding their activities as part of the move to the new Fine Arts Center.

Music, under the leadership of the recently recruited new department head, Professor Robert Sutton, will be moving out into the State and local communities more and more. An expanded division of Afro-American music is being developed.

The Department of Art is under very heavy enrollment pressures. This year it was necessary, because of limited faculty and other resources, to turn away some 600 qualified students who wished to major in Art. An outstanding faculty in both Art History and Studio Art is gaining more national attention and is beginning to attract sizable sums in the form of grants and awards.

The newest Department in the Faculty of Humanities & Fine Arts is Theater, which has been transferred from the Department of Speech and given status as an independent department. Under the leadership of a new department head, and with an infusion of several new faculty members, we have already seen a quantum increase in the quality of activities. This summer a new venture, the mounting of a series of productions at the Provincetown Playhouse which has been leased by the University, promises exciting results in the form of opportunities for students and much greater visability for the University Theater.

Linguistics and Philosophy

The Departments of Linguistics and Philosophy are probably the most distinguished for scholarship in the Faculty of Humanities and Fine Arts. Both modern linguistics and recent philosophical research have tended to focus on the nature of language, and these departments are now turning out very advanced graduate students. Although a very new Department, Linguistics has already achieved an enviable national and international reputation; it is regarded as one of the half-dozen best such departments in the world, and

is possibly second only to MIT in this nation. In addition to maintaining an extremely high reputation for scholarly excellence, the Department of Philosophy continues to have the highest instructional student/full-time faculty ratio in the Faculty of Humanities & Fine Arts. This year, with the aid of a $40,000 grant from the National Endowment for Humanities, the Department of Philosophy established a Center for High School Philosophy; the same enterprise is now being funded with $56,000 by the Rockefeller Foundation for a Summer Institute for High School Teachers.

Classics

A major share of the activities of the Department this year has been directed toward consolidating the various programs which the Department has initiated over the past six years and developing organizational structures for each program that will permit it to function efficiently and economically in the future. New interdepartmental majors in Judaic Studies and Near Eastern Studies were approved by the Board of Trustees. These majors have come to form an integral part of the Department's overall conception of its role as a unit of instruction on this campus. It should be emphasized that all of these fields of study (Classics, Judaic, and Near Eastern Studies) are being structured here on an interdepartmental and interdisciplinary basis, with the maximum possible utilization of resources in the fice college area.

Within the Classics major itself we have articulated five areas of concentration: 1) Greek, 2) Latin, 3) Ancient Literature, 4) Ancient Civilization, and 5) Mediterranean Archaeology. The Department has now attained what it regards as nearly adequate staffing for all of these programs.

During the 1972/1973 academic year the Department succeeded in establishing a Visiting Professorship in Classical Humanities which is set up to rotate among the departments of Classics, Art, History, Philosophy, and Comparative Literature and to allow each of these departments to bring in an outstanding specialist in the area of Classical Studies and the Classical Tradition for a semester or a year. Each Visiting Professor will be responsible for teaching undergraduate and graduate courses and in addition he will deliver a series of public lectures in his field of specialty.

The Department offered a full, varied, and well attended public lecture series during the 1972/1973 academic year. Highlights of the series were four lectures by Professor Gordon Williams of St. Andrews University, Scotland, who spoke on "Literature as a Social Phenomonon in Rome," and three lectures on the "New Archaeology" by Professors Miranda Marvin of Wellesley College, Stephen Dyson of Wesleyan University, and Niki Scoufopoulos of Yale University.

In order to encourage our Classics majors to study for a semester or a year in Rome, the Department recommended that the University join the Intercollegiate Center for Classical Studies in Rome. It has done so and the Department will begin sending students in the 1973/1974 academic year.

In August, 1972, the Department organized and directed a Five College Latin/ Classics Institute that was designed primarily for high school Latin teachers and focused on innovative ways to teach Latin and the Classics. Speakers included David Morton, P. Story, and C.W.E. Peckett from England, Hans Oerberg from Denmark, John Davis of Ohio State University, Arthur Kahn of Brock University, Charles Henderson of Smith College, Betty Quinn of Mount Holyoke College, and Frank Smith of Wayland High School. The Institute was attended by approximately 100 participants from as far away as California and was extremely well received.

The Department will continue to edit, print, and distribute the Bay State Classical Newsletter. During the coming year, however, circulation will be expanded throughout New England with the financial support of the Classical Association of New England.

A member of the Department will continue to serve on the Board of Directors of the Massachusetts Foreign Language Association and will continue to arrange meetings of Latin teachers from throughout the state.

Mrs. Baron will expand the number of interns placed in schools where Hebrew is taught.

No new programs are being planned for FY 1974. FY 1974 will be a period in which we round out and consolidate what we have initiated and developed over the past 6 years.

No major items were purchased or will be purchased. There has been a slight increase in staff in the department and a slight increase (rounding out some fractions of positions) may be anticipated in 1974. In general the activities the Department has engaged in will continue to occupy it and will not have a major identifiable cost impact. Apart from honoraria for visiting lecturers and the membership fee in the Intercollegiate Center for Classical Studies in Rome the major expenses of the Department are in the area of supplies and support for the office staff.

Comparative Literature

During this year the pattern of declining enrollments, evident during recent semesters, was decisively reversed. A number of new courses or new versions of existing courses were given. Special offerings at an advanced level were taught by members of other departments.

Besides these regular on-campus offerings, Continuing Education courses in Comparative Literature were offered by several faculty members and graduate students, and also by two instructors outside the Department but under its sponsorship. By far the most unusual and innovative offering in this general category has been a course taught to the prisoners at the Northampton jail. It has been under the general direction of one of our ablest graduate students,

a University Fellow, and four or five of our faculty have taken part as lecturers. There was no remuneration orreleased time for anyone involved. It is my impression that our Department and the Department of English have been the first to offer courses to the prisoners.

Our most ambitious extra-curricular activity has been the presentation of Colloquia dealing with a wide variety of literary topics through prepared comments and discussion. These were normally scheduled every other week; they included active contributions as speakers made by a great many members of other departments of the Faculty of Humanities and Fine Arts, besides the frequent appearnaces of members of our own staff. These occasions have regularly been attended by students and faculty members outside our Department. So far as we know, it provides the only available forum for exchanging ideas about leterature without having to keep within the boundaries of a single department. Finally, we held our first Spring Conference this April, concentrating in a single series the lectures and panel discussions which in previous years had been spaced throughout the two semesters.

English

The department actively supports four periodicals which are based on this campus: The Massachusetts Review, a quarterly review of about 200 pages which focuses on literature, the arts and public affairs. It has a five college editorial board which is responsible for all policy but draws heavily upon the faculty of the English department for specific editorial tasks. English Literary Renaissance is a journal which publishes three issues a year, a supplement and an index. ELR publishes approximately 24 critical essays, three to five literary texts, and three bibliographies each year. The Research Society for Victorian Periodicals publishes The Victorian Periodicals Newsletter which is edited by a department member. Although the Newsletter is prepared, duplicated and mailed by the University, it is self-supporting. Early American Literature, a scholarly journal, is edited by three members of the English department with the assistance of a graduate student. It is published three times a year and each issue usually includes about eight articles and three or four reviews.

Responding to an invitation by the UMass English Department, the New England Renaissance Conference, a regional affiliate of the Renaissance Society of America, held its annual meeting on October 20 and 21 and attracted well over a hundred scholars to the Amherst campus of the University. On Saturday, April 28, our department was host to the Mid-Atlantic Folklore Conference, sponsored by the Pennsylvania Folklore Society. A three day retreat for English department faculty and graduate students was held at the Northfield Inn on May 4-6, 1973. It was sponsored in part by the Danforth Foundation which gave the department a grant of $1000.

There were 120 students and staff included in the 1972 Oxford Summer Seminar, given again (the seventh consecutive year) at Trinity College, Oxford.

Approximately one-third of the students registered for graduate work, two-thirds for undergraduate. There were 43 colleges participating, including two Canadian universities.

The English component of the Brooklyn Career Opportunity Program (COP) was stretched this fall to include a full schedule of courses as well as two workshop sessions during the semester and a four-day session in January. Three sections of modern fiction (English 261) were taught to advanced students with heavy emphasis upon composition in their written response to the assignments, while four sections of advanced composition (English 337) were taught to students who continued to have serious problems with Standard English requirements toward certification.

Two members of the department were vigorous participants in the University Year-for-Action, a Federally-funded program sponsoring the off-campus placement of full-time student volunteers to work in community and anti-poverty agencies throughout Western Massachusetts.

As part of the department's growing concern for training graduate students to teach basic English skills at the community college level, a number of programs were supported this year. Four graduate students were sent to Fitchburg State College to teach during the year and two were sent to Bristol Community College; a Bristol Community College faculty member was visiting professor in our department during fall, 1972, and he taught a course for graduate students on teaching basic skills.

In the academic year 1972-3, the English Department offered two courses at the Hampshire County Correctional Institution. In the fall semester a section of English 275, American Literature, had as many as fifteen students in a single class; about eight received full credit for the course. In the spring semester, the Department offered a section of Rhetoric 180, the Rhetoric of Film, with six students completing the course for credit.

The English Education Committee was formed during the spring semester 1972. During the past two semesters, Fall 72 and Spring 73, a larger committee has continued to refine its selection procedures and to find ways to help students decide if they want to become high school English teachers. Some of these ways include opportunities to observe high school English classes, to do some tutoring, to teach for a week at St. Michael's High School in Northampton, and the like.

In conjunction with the New England Society of Newspapers, the UMass Journalism Program offered three workshops for journalists through Continuing Education on October 20, January 17-20 and April 27-28. A Markle Foundation research grant of $44,000 began a survey of New England newspapers. The survey evaluated news coverage and editorial performance.

This year we continued our exchange program with the University of Freiburg. Adolf Barth taught at our campus and a member of our staff went to Germany. The creative writers in our department organized or participated in a number of programs this year. Weekly poetry readings on Thursday evenings were held in Memorial Hall or the Student Union and faculty, graduate students and visitors all participated.

French and Italian

Members of the Department of French and Italian were very active in professional activities: publications, papers and active participation in professional organizations. Four books were published during the academic year 1972-73. A complete report on the professional activities is available in our office.

We implemented a project that we had been thinking of for quite a while: a weekly radio program on WFCR. Although the idea of the program originated in the French Department at UMass, the advisory committee to Professor Braude has representation from the 5-colleges. Members of the French faculties in the other colleges were also involved in actual broadcasts. We are gratified by the response we have received from the public and by the coverage of our activities in the Amherst Record and the Daily Hampshire Gazette.

Under the auspices of the Department we offered an expanded program of lectures. Quite a few of the lecturers were also interviewed on our radio program, thereby reaching a much wider audience.

For the first time this year we offered a course in diction in French, English, German, and Italian for voice majors in the Music Department. We were happy to be able to cooperate with another department, and are ready to extend our services to any other department that would be interested.

We continued to administer the Teacher Training Program out of our department. This means not only the teaching of methods, but also the actual placing and direct supervision of student teachers by members of our Department. We feel that this is an important function for us to fulfill. Teachers of French are best qualified as supervisors for prospective teachers of French. The rapport established through this project with high schools in the Commonwealth demonstrates our direct involvement with other institutions of public education in the Commonwealth.

We continued our Spring program in Grenoble, France. This year we limited the number of students to 30. The Bologna Program continues to be a major project of the department. We continued to cooperate with the UMass of Boston Year In Paris program by arranging for interviews with interested students by faculty members from Boston. We continued our sponsorship of the yearly visit of the Treteau de Paris. The play this year, Le Barbier de Seville, was a sell-out and was attended by 900 spectators who came not only from the University proper but from surrounding communities. This activity is one of the projects of the French corridor which is alive and well in the Moore House dormitory, and can expect even larger enrollments next year since its presence was made known to all French instructors in public and parochial schools in the Commonwealth. The Italian Club also continued its activities. Faculty members of the French Department taught 2 sections in the Department of Comparative Literature and will continue to do so next year.

We exchanged faculty members with University of Aix-Marseille. Professor Jacques Chouleur spent the year with us, and Professor Paul Mankin spent the

year in France. Exchanges were done not only at the professorial level but also, as in the past, at the teaching assistant level. We sent Mr. Woodward to France and in exchange Miss Legrain spent the year in our Department. This will be continued next year when two of our T.A.s will go to France in exhange for two graduate students who will come to our Department.

Germanic Languages and Literatures

During the current year, overall enrollment in German declined somewhat from the previous year, but the upper division and graduate classes increased substantially in size. The quality of both majors and graduate students has noticeably improved.

A greatly accelerated effort was expended in the organization and planning of lower division instruction. A reorganization of elementary language teaching was supplemented by a series of workshops held in cooperation with, and with the assistance of, the Goethe Institute in Boston to improve the teaching of German statewide. In this way, we have labored to improve the instruction of German not only in our own classes, but also in the secondary schools where a number of our eventual majors get their start.

Among the undergraduate majors a new esprit de corps has set in, as witnessed partially by the fact that, for the first time, a substantial number of these majors have chosen to join the Freiburg Program for a year. Although we have been somewhat limited in the graduate area by increasing quota restrictions, a good number of new graduate students have again opted to enter upon their studies here via the Freiburg Program.

The annual Amherst Colloquium in Modern German Literature was held again this year at the end of April. The reputation of our department and its contacts with other reputable German departments have been strongly enhanced by this literary forum.

During the current year we have started a series of interim seminars during the January break. Similar seminars are planned for January 1974, including some in language and philology. Thus far we have not been successful in persuading undergraduates to participate in interim activities, but the response from graduate students has been excellent.

Hispanic Languages & Literatures

New courses, programs, and thrusts were implemented by the department. A Master of Arts in Bilingual/Bicultural Studies was approved and begun. New undergraduate major tracks in Bilingual Studies and in Linguistics were operative. A Ph.D. minor in Spanish Linguistics was added. A new January term course in Puerto Rico was instituted (field study in Bilingualism/Biculturalism).

The former Holyoke Tutorial, a 3-credit course in the field--now called Tutoring Spanish-Speaking Students--repeated the success of its first year of work in the Holyoke Schools.

The Department, after producing three books in 1971-72, produced only one in 1972-73, but there were five articles published and several conference papers delivered.

Teaching evaluation by students has been extremely laudatory. In the spring semester, for example, only four of twenty faculty members were seen as demonstrating a weakness in <u>any</u> area.

History

The past academic year produced a record enrollment of undergraduate students in history courses. The members of the Department are taking their teaching obligations very seriously. A number of colleagues have commented that they found some of the comments in student evaluation forms helpful to them in identifying weaknesses in organization or delivery of their material. It is also worth noting that a number of our highly experienced professors have participated most willingly in introductory courses.

Another element in our favor has been innovation, including new techniques in established courses and a number of new courses. In the former area, one might note that Spanish-speaking discussion sections were added to the survey of Latin American history, or the addition of a field trip to the battlefield of Saratoga in the history of the American Revolution. In the area of innovation the Department offered experimental courses on "The New Deal," "American Colonial Maritime History," "Chinese Literature as Historical Source Material," "Modern Viet Nam," "Black Writers in American History," "Stuart England," "Modern Brazil," "Science and Medicine in American Society," "European Romanticism," "Puritan New England," "American Religious Movements," "U.S. and the Cold War," "The Military and Politics in Latin American," "The Boston Irish," "Psychology and History," "Contemporary Leaders in Chinese History," "Latin American Thought and Culture," "Islamic Civilization," "Race Relations in Latin America," "Amherst. An Historical Exploration," and "The Twentieth Century through Films."

Other undergraduate teaching activities that merit mention are quite varied. A beginning was made to participate in the Outreach Program. Four history majors worked on local histories that are being prepared by the local governments in Newton and Holyoke. Their work included residence in the communities, study of local archives and taped interviews, some of which were conducted in Spanish as part of the study of the history of the Spanish-speaking community. In Brooklyn four department doctoral candidates taught American history in the COP program in the summer of 1972, rounding out the two-semester survey course. One further make-up section of the course was also taught in the fall. In addition State Representative Edward McColgan, who has studied American History at the University of Connecticut and has done a fine job for

us in teaching American history in Continuing Education on this campus, offered a course in American history in the COP Worcester curriculum in the spring semester 1973. Another dimension of departmental teaching activity was the active participation in the "Global Survival" study program under the auspices of the School of Education, which aims at the establishment of a new curriculum in international education.

In the area of graduate studies the activity of the department remained vigorous, despite the gathering clouds. Considerable effort was devoted to the improvement of intra-community relations in the graduate area. A "Graduate History Association" has taken shape and cooperated with the faculty in a number of important respects, including the acceptance of eight graduate students as voting members of the Department meeting and graduate members on most Department committees. It was agreed that in matters of graduate student personnel selection the students would deal with general policy but not individual cases. Two faculty-sponsored evening occasions were held.

A key area in many of the discussions in different contexts was the declining job market for holders of MA's and Ph.D.'s. This topic dominated the faculty-sponsored evenings, which attempted to portray the situation as realistically as possible. Thus far it can be said that our record in job placement has held up fairly well. During the year 31 candidates completed the requirements for the MA degree, but it is difficult to describe the placement picture for them. Some of these people enter a doctoral program here or elsewhere. Some enter another graduate field (law, for example). Some enter secondary teaching. At present there is no evidence of a disaster among the recipients of the MA.

For those graduate students who seek to enter the teaching profession at any level, the problem of formal training in the technique of history teaching remains important. The Department has continued to offer a graduate course on "The Teaching of History" and last year started an experimental internship program to offer a limited amount of course credit for supervised practical work for selected students who are not TA's. Three graduate students taught one discussion section each in survey courses in our curriculum, while meeting with a professor to discuss problems of preparing a syllabus, using visual aids, and so forth. One student had a related internship experience at Holyoke Community College. Meanwhile the Department is participating in interdepartmental discussions of a revised MAT program, which might take over the internship and techniques problem in a future year.

Against this somber background, it is a pleasure to conclude this report on graduate student affairs by noting several scholarly achievements of our graduate students. Two scholarly articles were accepted for publication and one book has been tentatively accepted for publication.

James W. Butler Language Laboratories

Our Lab facilities were used in the three school sessions both on a scheduled and the open library basis.

The total number of students who availed themselves of the different Lab services came to 2,309. In the breakdown of that total per semester we offer the following additional data: The Labs served during

Summer School 1972	- 8 language courses with a total of 91 students.
Fall Semester 1972	- 28 language courses and 3 non-language courses with a total of 1,267 students.
Spring Semester 1973	- 28 language courses and 2 non-language courses with a total of 951 students.

Students of most scheduled courses come to the Lab twice per week for 1 hour, a few courses have arrangements for three weekly hours. Users of the Open Library Lab come as many times as they feel the need. Many come daily and stay longer than an hour. The OLU Lab (Open Library Usage) service, begun in March 1972 on a limited basis, was fully developed. It makes practically all recorded material in our hands, both on discs and tapes, available to students on a request basis.

Students have made use of this service in increasing numbers, and have requested repeatedly extended hours. The OLU Lab was open for 9 hours per week during evening hours of the last two weeks of the Fall Semester and the last seven weeks of the Spring Semester. It should be noted that among the happy "customers" are many faculty and University staff members as well as special students from surrounding towns and students from the other four area colleges. Some of these make use of the tape-take-out-service even between semesters.

About 50% of the Language Lab facilities is between 9 and 14 years old. Equipment breakdowns or malfunctions have become a regular happening in the three Lab rooms in Bartlett Hall. A number of components are increasingly more difficult to obtain for repairs. Some replacement parts are not stocked any more by the equipment manufacturer. For these reasons maintenance is a continual problem and activity of the staff.

Linguistics

The North Eastern Linguistics Society Conference was held at the University of Massachusetts/Amherst. The Linguistics Department both hosted and contributed substantively to this regional conference. Members of the department, students and faculty, were invited to present papers by the NELS program committee composed of members from the majority of northeastern universities.

The Department has engaged in a major revision of its undergraduate and graduate curriculum. This involves the introduction at the graduate level of several new courses to be taught by the incoming members of the department as well as revision and updating of existing courses. At the undergraduate level the department is engaged in putting together an integrated set of undergraduate courses to allow undergraduates interested in linguistics to

pursue a coherent plan of study providing them with a background in linguistics. This course of study, if effect a linguistics minor, is expected to serve the needs of a great many undergraduate majors in such fields as education, psychology, philosophy, and the various language and literature majors.

In addition, the department is working in close conjunction with other departments to develop joint major concentrations; among the departments involved to date are Asian Studies and Philosophy. German and Slavic joint concentrations are now in the planning stage. This activity is in keeping with the goal of the Department to maintain a strong teaching competence as well as a strong academic competence and to meet its obligation to the student body to provide them with the best training in linguistics in the most accessible form possible. Toward this latter end, the department is experimenting next year with an innovative course in language and its theory at the broadest level. Several members of the department will participate in this course.

Music

The faculty of the music department continues its activities in terms of performances on and off campus, recordings and composition. The more unusual and innovative programs that the department has developed during the past year are noted below.

Designed to expand community service, the Preparatory Division, financed and operated by the Continuing Education Center, provides specialized instruction (by music department faculty) for qualified junior and senior high school students seriously committed to the study of music. Private instruction is offered in piano, voice, strings, woodwinds, brasses, and percussion. Class instruction is available in recorder, basic musicianship, piano, and introduction to music literature.

Two workshop offerings were sponsored by the music department and the Division of Continuing Education during the summer of 1972. These workshops attracted 55 educators from as far away as Virginia, Pennsylvania, Colorado, Canada and Missouri. Workshops provided practical experience in musical concepts and innovative learning processes for music education. Designed for elementary and secondary school music teachers, music administrators, undergraduate and graduate music majors and education majors, these educational offerings comprised creative techniques and classroom strategies of interest to the classroom teacher, therapist, and teachers of art, physical education, and special education.

The String Symposium, offered as an extension program to aid in the development of school string programs in the Commonwealth, was held on Wednesday, October 11, 1972 for school string instrumentalists, string teachers, and school orchestra conductors. Nearly 200 participants were involved in classes devoted to the improvement of string performance techniques, as well as performed in chamber string ensembles.

The Western Massachusetts Youth Wind Ensemble, Chorus, and Chamber Orchestra are organizations jointly sponsored by the Western District of the Massachusetts Music Educators Association and the UMass Department of Music and are in their first semester of operation. Membership in these honor organizations is based on the Band, Orchestra, and Chorus auditions. The honor chorus numbers 40 voices, the wind ensemble 45, and the chamber orchestra 28. Music department faculty are responsible for the weekly rehearsals. Reading clinics for state music teachers of new literature, and several public performances are scheduled for the 1973 Spring term.

The first state-wide school band and orchestra clinic-workshop festival was held on March 24. This offering for elementary, junior high and senior high school bands and orchestras is an opportunity to heighten performance standards, and to develop an improved awareness and understanding of sensitive individual student performance practices. First, each participating performance organization will be allotted one hour for a performance-clinic. Two adju icators will provide written and taped critiques of the performance. Secondly, a series of brass, woodwind, string, and percussion workshop seminars will be scheduled in the morning and repeated in the afternoon for students and school music conductors of the participating performance organizations. In addition, these workshop offerings are open to school music students and their teachers who may choose not to participate in the band/ orchestra performance-clinic.

Slavic Languages and Literatures

Our department, in its course offerings, provides services for three major groups: graduate majors, undergraduate majors, non-majors. The majority tend to belong to the first two groups. Our non-major activity is largely confined to elementary and intermediate language courses and literature or culture survey courses. The fact that we do not serve large numbers of non-majors

THE FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES

This faculty of the College of Arts and Sciences has the smallest number of faculty but is largest in the number of students served. Its six departments are quite diverse in size, in development, and in stature. All of them have vigorous undergraduate programs, all but one have graduate degree programs, all are active in research and scholarly activity and all contribute to the public service program. These activities are enlarged upon in the following departmental statements.

Anthropology

The Department's program, since its creation in 1969 and into the foreseeable future, consists of closely interlocked and mutually supportive activities:

1. teaching, from the freshman to the Ph.D. level, and for both potential anthropologists and those interested in the insights and perspectives that anthropology has to offer without regard to career plans.

2. research by students and faculty, with emphasis on (a) the anthropology of Europe, particularly peasant and village groups and ethnic minorities, (b) the prehistory and history of human occupation of the Connecticut Valley.

In addition, many students and faculty pursue other special areas of interest; training in field research methods, for example, includes the on-going program on St. Vincent in the Caribbean, and a continuing archeological summer field school. Research includes also New World archeology and linguistic and culture change in Southeast Asia.

Increased emphasis in Fiscal 1974 will be given to the Connecticut Valley program in order to (1) expand the department's service to and cooperation with those local groups interested in the area, (2) provide increased training and research opportunities at minimum cost for undergraduate and graduate students, and (3) develop an understanding of the human ecology, past and present, of the University's immediate environs.

Emphasis on instruction continues with a new and still experimental graduate curriculum which is essentially an individual, self-designed program for each student, intended to stimulate more careful thought as to long-term goals and immediate means and to provide a sound basis for evaluation of progress in terms of a stated plan of work. Academic year 1972-73 has seen modifications of the undergraduate program for majors, and for 1973-74 we plan to increase greatly the contact of all majors with faculty members through additional undergraduate seminars and a broadened advising program.

In teaching at all levels, we regard on-going faculty research as providing a significant component, in order that students become aware of advancing frontiers of the field and of critical unsolved problems as well as the accumulation of ideas from preceding generations.

Asian Studies

With the academic year 1972-1973, the Asian Studies program reached a level of staffing that at least makes it possible to write an annual report that concentrated as much on current accomplishments as on future hopes.

We started the year with three full-time persons in Chinese plus a shared appointment with Comparative Literature. We also have three full-time persons in Japanese, an effective total of seven full-time staff.

During our first years, our course offerings had grown in an unsystematic way, so our first major undertaking was a complete reorganization of our course offerings and the rapid development of new courses. Last year at this time, we were authorized to offer a total of 9 courses in Chinese and 3 in Japanese. This year we are offering 18 courses in Chinese and 11 in Japanese. Of these, 5 Chinese courses and 1 Japanese are courses that are now cross-listed with our Program and Comparative Literature where they used to have only the Comparative Literature listing, but there are 5 new Chinese courses and 7 new Japanese courses.

This year we are introducing non-intensive courses in elementary Chinese and Japanese, paralleling our intensive courses. Chinese and Japanese language courses constitute an important opportunity for general humanistic education for the undergraduate level and we have learned that many students who share this feeling have nevertheless been reluctant to commit themselves to an intensive course for exploratory or enrichment purposes. These courses will enable us to increase our effectiveness in one of our primary areas of responsibility; general education. One of the major spurs for rationalizing our course offerings was that we were now prepared to offer an undergraduate major program.

We also cooperated with the larger Asian Studies Committee in preparing an Asian Studies Certificate proposal. Here the bulk of the work was done by Professors Cohen and Miller. This proposal also passed the Board of Trustees in April and we were given the official authorization late in May to award Certificates to members of the class of 1973. Although the authorization came late we found three students who qualified. There would almost certainly have been more had the issue not remained in limbo until most of the students were already gone from campus.

In December, the Japanese-American Club, a student group, was founded. This group rapidly established itself as one of the most vigorous of the Recognized Student Organizations. Its activities were conspicuous, even dominant, at the International Fair this Spring, a reflection of high student morale.

During the past year we have been active in developing contacts and stronger relations with other departments, schools, and programs on campus. We have also continued to develop our contacts with the other colleges in the immediate area. We have continued to participate in the Five-College Asian Studies Colloquium, and we have kept in close formal and informal touch with our colleagues on the other campuses. We have also been developing overseas contacts and opportunities for our students, an essential part of any mature program in our field. A student exchange program with Tunghai University in Taiwan which will begin to operate this fall was organized. The University of Hokkaido and the University of Massachusetts are now in the process of bringing their long-standing relationship to a new level of activity.

Economics

The Department of Economics made substantial progress this year toward the goal of establishing a diversified department under the Acting Headship of Dean Alfange, Jr. New appointments include two women and two members of minority groups.

The Department arranged an outside speaker program to bring speakers to campus who would be of interest to undergraduate students as well as faculty and graduate students.

Political Science

The primary goal of the Department of Political Science is to impart to graduate and undergraduate students an understanding of the political process. We aim to provide them with insight into the nature and processes of politics and to equip them with theories and methodologies that will enable them to make sense of their political world long after they have left the University. Part of this process involves the faculty in research efforts designed to add to our fund of this knowledge. More specific information on this mission may best be provided under the general rubrics of teaching, research, and service.

At the undergraduate level, Political Science is basically a liberal arts major. Undergraduate courses are designed to aid the student in gaining a knowledge of the nature, functions, and problems of political systems and of the justifying theories and ideals underlying them. Its central aim is to develop the student's awareness of his place in the modern world and, espe cially, of his role as citizen therein. The development of this awareness is clearly one of our major responsibilities for higher education in the Commonwealth.

The political science undergraduate major has been closely associated with an interest in law, and accordingly many students pursuing pre-legal studies elect it as their undergraduate major. Political Science also has been a common major for students interested in entering active politics or government

service. The latter, however, may entail further professional schooling in specialized areas such as urban planning, social work, or public administration. In addition, a number of Political Science majors qualify for secondary certificates and enter high school teaching upon graduation, and a few combine a Political Science major with work in journalistic studies as preparation for newspaper careers. Finally, the Political Science major is preparation for graduate professional schooling in the discipline itself.

The Department's undergraduate curriculum is sufficiently flexible to accommodate a wide range of career and vocational interests. Students are encouraged to develop their individual programs in consultation with Departmental advisors, one of whom is expressly designated to assist majors with their career planning. A number of special opportunities exist for Political Science majors to explore both their academic and vocational interests, ranging from independent research to various intern and outreach-type programs.

At the graduate level our program has two major facets. First, we prepare students for careers in research and university teaching. Second, through our growing Master of Public Administration Program we prepare people for careers in the public service. We recognize that a growing number of jobs have been created in the public sector and believe that one of our special roles in public higher education is to upgrade the training and quality of the public bureaucracy.

The department sponsored a colloquium series which offered 6 distinguished speakers on topics of general interest to our majors. This spring the department initiated a new tutorial program designed for undergraduates which provided our majors with the opportunity to meet with a professor in a very small group setting to explore a topic in detail. Tutorials are restricted to 5 students and meet in the professor's offices. In the past year, the department had its customary senior honors program -- a seminar in the fall semester and either a thesis or graduate seminar in the spring.

We expect to offer approximately the same number of graduate and undergraduate courses next year. The tutorial program will be expanded while we intend to offer a colloquium series at the same level as this year. Our strong commitment to undergraduate advising will be maintained.

During the fiscal year 1973 the faculty of the department produced 6 books, approximately 17 articles or chapters in books, and approximately 10 reviews. In addition, we continue to be responsible for the publication of Polity, The Journal of the Northeastern Political Science Association. The current editor will continue in this post next year.

The Department of Political Science again cooperated with the ACTION Program for public service internships (four undergraduates and one graduate MPA student participating therein). We also continued to sponsor the one-semester Massachusetts Legislative Internship Program (sending five students to the State House during the spring semester) and the graduate internship program associated with the Master's of Public Administration program (which sent five students to work for various governmental agencies). Internship opportunities for political science majors were expanded greatly this year

through the activities of the new Office for Outreach Programs. Through OUTREACH, we have sent 25 of our majors to work for one semester in a congressional office and placed another nine with a city or town in the Commonwealth. These students have received academic credit through work planned and supervised by departmental faculty to supplement their intern experience.

The department also sponsored a special project called Elections '72. The Elections '72 project served as an information clearing-house between UMass students and candidates and their campaign organizations. Specifically, it provided candidates a means of communicating their interest in volunteers to students who want to work in a political campaign. And, it provided students with names of candidates and campaign organizations seeking help. The orientation of the Elections '72 project was non-partisan. The Elections '72 project did not favor any particular party, candidate or point of view. The Department of Political Science believes the project performed a positive public service, while maintaining a definite political neutrality.

Psychology

The Department of Psychology, during academic year 1972-73, has continued to diversify its offerings to undergraduate students while enrolling over 8,000 students each semester in approximately 50 courses, including graduate seminars. Among the new courses which have begun during the year in response to strong undergraduate interest are Mental Retardation, Behavior Change, College Experience, and a series of small courses which have developed out of the Seminar in Community Psychology: Applications of Behavior Modification, Concepts of Normality and Abnormality, Ward and Social Interaction, Perceptual and Motor Learning Disabilities, and Mental Health in Schools. A number of courses now involve practical field experience in schools or institutions of the Department of Mental Health. Among the most popular new seminar topics introduced during the year are Law and Psychology, Child Advocacy, Environmental Psychology, and Radical Therapy (which has led to the planned development of a half-way house for former residents of the Belchertown State School).

In the doctoral program, 46 new students were enrolled, making a total of 135 graduate students active on the campus during the year. Among notable graduate student achievements, one of the University's first Outstanding Teaching Assistant awards was won by Miss Jane Perlmutter, a third year student.

Academic year 1972-73 was especially significant for the Department in that we occupied the new Psychology building, Tobin Hall, and have been able to provide much more adequate research and teaching space and research equipment, including laboratory computers. While this move has been generally positive, some problems including a major fire, a continuing inability on the part of the sub-contractor to make the heating system function effectively and delays in obtaining equipment have slowed our activities in some areas. The Tobin Hall Graduate Reading Room opened after receipt of necessary furnishings in May 1973. A substantial collection of recent journals and books has been

acquired through faculty donations. Additional materials for the reading room will be obtained with funds specifically provided by the Department's Social Science Department Development Grant from the National Science Foundation. During this, the second year of this grant, we have been able to continue a number of activities which would otherwise not have been possible, including the support of junior faculty for research in the summer and the support of graduate research assistants. During the year the Department obtained a second major grant of $225,000 from the Grant Foundation, Inc. of New York City to develop a research facility for children in downtown Springfield, Massachusetts. This facility should open by June 1, 1973. In addition to these major grants from outside the University, a total of 25 faculty had individual research grants or contracts active during the academic year.

It is not possible at this time in the year to determine the number of major research publications and books which will emanate from the Department's faculty and graduate students during the course of the year, but this number has exceeded 70 publications in each of the preceding two years.

A number of collaborative activities involving members of the Department of Psychology with others in the University and/or the 5-College community have begun or continue to be active during 1972-73. Among these are, 1) development of a collaborative course in animal behavior involving faculty in Psychology and Zoology, 2) further activity toward the proposed development of an interdisciplinary center for neuroscience, initially involving faculty in Computer and Information Science and Psychology, 3) the 5-College Sensory Neurophysiology Seminar was organized, 4) a program to provide health and mental health services in a West Springfield public housing project, serving disadvantaged blacks and Puerto Ricans, as a collaborative effort between the Department of Psychology's clinical psychology program and the UMass School of Nursing, and 5) a number of workshops and special training sessions directed at mental health staff in Western Massachusetts presented under joint sponsorship of the Department of Psychology and the Massachusetts Department of Mental Health.

Many individual faculty have been involved in the University Honors Program, BDIC, University Without Walls, the Orchard Hill and Southwest Residential Colleges, and many other outreach activities around the campus and throughout Western Massachusetts. The Department continues to have a substantial role in the University Year for Action program, particularly in the academic activities provided in conjunction with work by students at the Belchertown State School.

Sociology

Fiscal year 1973 has been a year of change and transition for the Department of Sociology in more than the usual sense. This is perhaps inevitable whenever a department takes on a new chairman from the outside. But in this case, both the department and the chairman had agreed at the outset on a number of new programs and priorities worth pursuing together. Of course, many of these

are still in the planning stage. And, of course, some things remain the same as part of the department's continuing commitment to academic excellence in its broadest sense.

During the fiscal year, the faculty has produced eight books and monographs, some twenty major scholarly articles, and ten book reviews. All of this is in addition to an untabulated number of minor publications, visiting lectures, papers presented at scholarly meetings, research consultantships, and editorial responsibilities. In addition, six faculty members have had research proposals funded during the current fiscal year, and another eight faculty members have been involved in preparing major proposals which have not yet been decided on by funding agencies.

Sociology has participated in some 14 special teaching assignments within the University in the last fiscal year, including such programs as BDIC, the University Without Walls, the Honors Program, Freshman Orientation, CASIAC, residence halls programs, and Continuing Education courses elsewhere in the state. As further evidence of the department's service commitment, three of our faculty members have been very actively involved in developing new programs in connection with the Institute for Man and His Environment; several faculty members have initiated applied research on various state problems, including medical care, alcoholism, and difficulties faced by small industries. All of this is in addition to major service components in much of the research alluded to above; for example, research on the state population base and its future growth patterns.

Communication Studies

On April 4, 1973, the Board of Trustees approved a change in department name from Speech to Communication Studies. During 1972-73, the department had 36 full-time faculty and 2 part-time faculty apportioned into 3 major areas of concentration (Communication and Rhetorical Theory, Mass Communications and Communication Disorders) and one program (Communication Education). There were 40 graduate students receiving financial aid as teaching associates, teaching assistants, grant trainees and university fellows.

Major activities and achievements in Fiscal 1973 include (1) the continued operation of a Communication Disorders clinic serving the campus and surrounding community. Over 600 patients received diagnosis, speech and hearing therapy and audiological evaluations during a 12-month period. Seventy students participated in campus clinical activity and in off-campus centers like Mercy Hospital, Springfield, Belchertown State School, Holyoke Hospital, etc., as part of their clinical practice requirement in Communication Disorders; (2) a Debate Union program involving intercollegiate competition, debate demonstrations in Massachusetts high schools, campus audience debates and a summer high school debate workshop. One team of debaters was selected to represent New England in the National Debate Tournament at the U.S. Naval Academy in Annapolis, Md. (a first-time honor for the University of Massachusetts); (3) the sponsorship of a University Film Study Series;

(4) sponsorship of a Language Workshop in Spring, 1973; (5) major participation in the University General Rhetoric program; (6) over $70,000 in individual and department research and training grants; (7) 10 faculty held offices in national, regional and state professional organizations. All activities will remain near current levels for Fiscal 1974; individual research and professional participation by faculty should increase; one federal training grant will probably terminate at the end of Fiscal 1974.

THE FACULTY OF NATURAL SCIENCE AND MATHEMATICS

This faculty is organized into eight departments, all of which contribute to the instruction, research, and service programs of the University. The undergraduate instructional program is predominantly of a "service to other schools" nature, although each department has a strong undergraduate major program. The strong graduate programs provide a base for,and gain in stature from the vigorous research programs in the departments. The public service contributions of the departments in this Faculty are recognized throughout the Commonwealth.

Biochemistry

Undergraduates from more than twenty programs have taken at least one course in biochemistry this year. The majority of these students are majors in zoology, microbiology, food science, and medical technology whose departments either require or strongly recommend biochemistry training.

Our graduate program continues to serve a large segment of the University. Students from more than ten different graduate programs have been enrolled in our courses this year. For the first time we have been able to provide a rigorous course in introductory biochemistry especially designed for our own graduate students. All of our own first-year graduate students and those from microbiology as well as a few other highly qualified students, graduate and undergraduate, were enrolled in this course.

A proposed modification of our present curriculum and a design for new undergraduate courses has been recommended by a faculty committee. This proposal suggests (a) the elimination of one course, (b) the restructuring of a second course and (c) the cooperation with the chemistry department to give a combined year course in organic-biochemistry. These proposals are based on extensive consultation with other departments. Our graduate program has also been under review. A number of modifications to improve the quality of training have been instigated and more are foreseen in the near future.

We have made four faculty appointments (including one offer outstanding) and in doing so have reviewed over five hundred applications and selected eight candidates for personal interview. The department moved most of its office and research laboratories into the Graduate Research Tower during January.

Botany

The Botany Department has continued to serve its student population with a variety of courses, some of the standard form and several experimental ones.

The staff has also given endless hours of individual consultation. With a continued decrease in funds, it has become more difficult to do a proper job. For laboratory classes and independent, faculty-guided research there is a consistent trend to look for procedures which are more economical and less demanding of equipment as chemicals become scarce and machinery breaks down - surely no way to make educational decisions. Also, in many courses equipment and supplies obtained from Federal grants has been freely used. Faculty is becoming less willing to share these as they see departmental funds dry up and no one wants to jeopardize his commitments towards the granting agencies.

The Environmental Control Facility and Greenhouses have been placed in operation as units have been made available to us. This has started to relieve the pressure in some of the courses needing fresh plant meterial and some students have been able to start their experiments in the greenhouses.

The faculty has been productive as usual in obtaining outside support for their research and in publishing the results of their labors. Through Dr. Paul Godfrey, UMass and the U.S. National Park Service have entered into an agreement creating a Cooperative Research Unit on campus. Much of the effort of this Unit is directed towards the problem of National Seashores, dune stabilization, natural processes and visitor impact along the Atlantic coast.

Chemistry

There have been nearly 3,000 enrollments each semester in undergraduate chemistry courses during fiscal year '73. About 10% of these involved chemistry majors, and the remainder represented enrollments in service courses. The graduate program has been maintained at about the same level as in the previous two years. Research productivity has been maintained at about the same level as last year. There were 45 active grants (those still containing more than $500 of unencumbered funds) from outside agencies held by the faculty, and the sum of unencumbered funds was about $357,000.

About half of the faculty members of the Department of Chemistry have moved into the new Chemistry Tower, and the others have remained in Goessmann and Goessmann Annex. However, most of those who remained in the old buildings have moved into different offices and laboratories. Thus, practically all of the faculty have moved during FY '73. New scientific equipment obtained with the new building included a mass spectrometer, a 100 MHz nuclear magnetic resonance apparatus, and an automated X-ray diffractometer.

Several new courses have been offered during FY '73. A "sophomore seminar" designed to introduce neophyte chemistry majors to the frontiers of chemistry has been offered this year, and a portion of the program for chemistry majors has been renovated.

The Alumni Advisory Council of the Department of Chemistry has prepared an extensive report covering all of our activities. Portions of this report

have been assigned to various departmental committees for further study and possible implementation of some of the recommendations.

Geology and Geography

The Department considers itself a professional and intellectual training ground for undergraduates in the fields of Geography and Geology and graduate students in the field of Geology. As such we are constantly restructuring our undergraduate program, revising the requirements for the graduate degrees, and investigating new approaches to both teaching and research in our respective fields.

In our broad offering of courses designed for non-majors, mostly elementary courses, we have taught 1,175 students during FY 1973. Most of these students take one or more geology courses to help satisfy their science requirements. Some become interested enough to stay on and major in geology. In addition, we have accommodated a number of graduate students from other departments who find geology a worthwhile part of their professional education. Some examples include: landscape architects and civil engineers/geomorphology-glacial geology; astronomers/planetology seminar; a wide variety of groups/environmental geology seminar.

At the same time, the geologists carried on extensive research, both in the field and in the laboratory, as part of their continuing committment to personal growth and to the most direct means of passing on the elements of the profession to our students. The range of activities is vast, and may be characterized as reaching from beneath the surface of the earth, in engineering studies for limestone caverns, to as far out as the moon, from which one professor is receiving soil and rock samples. Another professor has a boat, the Pitsiulak, which is engaged in coastal geological operations in a remote section of Labrador; two others are mapping Martian quadrangles. The spread of these activities is shown in a small way by the number of grants that the geologists are working on.

One of the highlights of the year was the official incorporation of Hampshire Geological Associates, Inc., as a non-profit group of geologists from the Five Colleges, dedicated to helping the town of Amherst with geological expertise and, later, surrounding towns, particularly with problems involving the environment. The Town of Amherst appropriated $7000 for the first year of operation, and has shown its sustained interest and trust by appropriating another $7000 for our second year of operation. The primary results of the Hampshire studies so far have been confined to ground-water studies in the town of Amherst.

The department is well known for its field-oriented approach to geology. Hence, mundane though it seems, the purchase of three new vehicles for us by the Provost was a giant step forward. An analysis of the number of people transported and the cost per person/mile has not yet been made, but it is evident that the field portion of our geology courses is better served than ever. Morale is high, expenses (in account 16) are down, and geological education has moved to the outcrop.

Mathematics and Statistics

This year the Department had a small increase in undergraduate course registrations. Of all undergraduate enrollments, 91.8% were in statistics service courses and lower-division mathematics service courses primarily for students in other departments. Experimentation continued with offerings for non-majors, especially students not in the sciences, who wish to take mathematics but are not required to do so. New major requirements, offering significantly greater flexibility in choice of program--particularly for students not intending to go to graduate school--and greater opportunity to study applications of mathematics, became fully operational this year; several upper-division courses were offered for the first time.

Thirty-seven graduate courses, augmented by 21 student-faculty seminars mostly conducted by faculty as "overloads", were offered. A Complex Variable course for engineering students was given. 20 students are now working on doctoral dissertations. A revision of the graduate programs neared completion. A newly founded Math Club met monthly for graduate students and faculty to exchange ideas on mathematics, applications of mathematics, and mathematical pedagogy. A series of 13 Colloquium lectures to keep faculty and graduate students abreast of current developments were delivered by visiting authorities.

Administrative integration of the formerly separate statistics faculty with the mathematics faculty was completed; a single curriculum committee and a single personnel committee now exist.

Microbiology

Because of the wide variety of interests and training in our faculty, the research topics supported by outside grants vary from general and environmental microbiology, through medical microbiology, immunology, molecular biology and virology, and evolutionary microbiology. One was a grant from a National Science Foundation, with matching state funds, to establish a new course at the undergraduate level in Mammalian Virology and Tissue Culture. The grant money has been used to purchase equipment for this laboratory, and the course is being offered to undergraduate students this semester. The same equipment and facilities can also be utilized for portions of our existing courses in pathogenic microbiology and immunology.

We are becoming used to our faculty being invited to present papers at national symposia or to chair sessions at national meetings of the American Society for Microbiology, but we note with some pride this year that three of our former graduate students are chairing sessions at the annual meeting of the American Society for Microbiology, to be held in May of 1973.

The Streptococcus Identification Laboratory, administered within this department as a service to the Commonwealth of Massachusetts, and financially

supported by the Division of Adult Health, Massachusetts State Health Department, processed an estimated 37,500 cultures with an operating budget of $35,000.

Physics and Astronomy

This department has a unique form of organization because it functions as a University of Massachusetts department while the astronomy section is simultaneously a part of the Five College Astronomy Department. Thus, the astronomers report some activities directly to the Five College Coordinator and others through and to the University department of which they are a part.

Physics Section

The committment to and involvement in research has continued at a high level. The undergraduate instructional program has three components. General education, represented by the courses for students from the humanities, fine arts and social sciences, is a sizeable fraction of the teaching effort. Courses for scientifically or technologically oriented students constitute the service component which is also the largest one. Finally, the courses for physics and astronomy majors make up the third component. The graduate instructional program is still vigorous despite the intended lack of growth because of the poor employment prospects for new degree winners.

Individual faculty members continue to earn recognition for their achievements; one was elected a fellow of the American Physical society and another was elected chairman of the New England section of this society.

During the year there was a continued and expanded effort to incorporate biological interrelations into the course for students who are majoring in the biological sciences.

Astronomy Section

The year 1972-1973 has been a year of achievement for Astronomy at the University of Massachusetts. Consequently it also has been a year in which its aims were being re-examined and clarified. The undergraduate major program offers a quality curriculum to students with a professional interest in astronomy or astrophysics. Graduating seniors continue to be accepted at top ranked graduate schools. The program also trains well informed science teachers for the secondary schools and our seniors the last few years have found such jobs despite the general poor condition of the teacher's market.

The undergraduate program through its joint membership in the Five College Astronomy Department, continues to demonstrate that inter-college cooperation

cam be of mutual benefit to small liberal arts colleges with limited teaching staffs and to the large university.

The graduate program continues to grow despite the overall difficult position of graduate education across the country. Federal support has continued at a high level in spite of the general cut-back in government programs in other sectors. Currently eight of the faculty are supported by government grants totalling $431,800. Again this year the quality of the incoming graduate students has improved and the percentage of women students accepted has risen.

The many research programs, a vital aspect of graduate education, have made great progress this year both relatively and absolutely. Three additional antennas at the Quabbin Radio Facility now make it the third largest array in the United States and the largest of its kind in the world. The radio astronomy group has discovered two new pulsars and has devised a classification scheme for these objects which has become the standard scheme throughout the astronomical community.

The astronomy infra-red laboratory has been active both in terrestrial and cosmic research. A strange shell of dust surrounding the sun is one object of study. The laboratory facilities for studying atmospheric gasses of both natural and human origin are being used to measure the interaction of these gasses with infra-red and visible radiations.

A variety of theoretical programs are also being pursued. Some of these compliment the experimental programs; other deal with more general problems in astronomy and cosmology such as the nature and origin of stars and galaxies, and the evolution of stars and their radiation fields.

Zoology

The undergraduate instructional program continues to make heavy demands on the departmental facilities and faculty capabilities. It continues to be necessary to curtail the number of majors and to make students wait their turn to take certain courses. The department continues to uphold high standards and feels that course enrollments cannot be permitted to go above the levels that the laboratory facilities can accomodate.

The introductory course was organized this year with separate sections for prospective science majors. This type of segregation was found to be beneficial and will be continued.

The graduate instructional program continues to thrive in the environment of active research programs. Three professional journals have chosen members of this department for their editors. The curtailment of funds for supporting research has been felt within the department.

THE COLLEGE OF FOOD AND NATURAL RESOURCES

This is the most complex of the academic units because of the development of the institution. When its name was Massachusetts Agricultural College, it had four programs; instructional services, research services through the Experiment Station, the Extension Services, and the Control Services. These headings have continued. Additional complication stems from the fact that the Experiment Station activities are not confined to one place but include the Suburban Station in Waltham, the Cranberry Station in Wareham, and the dispersal of other activities from the Amherst Campus to University lands in the near-by towns. Finally, the Stockbridge School of Agriculture, which provides two year training programs with a vocational emphasis, is sponsored and supported by the College but not as a separate unit; most of the departments provide courses for Stockbridge students in parallel to the courses for four-year undergraduates and to the courses for graduate students.

The College has a central administrative unit which coordinates the activities of the various departments and distributes them among the four types of services. This unit includes the Director of the Stockbridge School as well as a student advisory service for the other undergraduates.

For administrative purposes, the College is organized into fourteen departments; some of these departments have the bulk of their activities concentrated in one of the programs of services but others have major involvement with most or all four. Because their services have traditionally been considered separately, they will be so noted in the following departmental statements.

Agricultural and Food Economics

Instruction. New courses, increasing undergraduate enrollments and international teaching assignments highlighted the instruction program. New courses offered were: American Agricultural Development, Investments, Taxation, and Economics for the Family.

An innovation was the introduction of Mastery Learning Techniques in the course, Principles of Economics. Instructional materials and evaluative tests were developed so that students could progress at their own rate of learning.

The teaching effort was divided; 56% Stockbridge, 37% undergraduate and 6% graduate.

Research. The staff is presently conducting economic research in the general categories of Agricultural Labor, Water Resources, Rural Development and Community Services, Land Use, Pollution Control, Marine Resources, Marketing Resources, Marketing and Distribution and Transportation.

Other Research Related Activities: The preparation of five outlines of Hatch project proposals for the islands, at the request of the Acting Experiment Station Director at New Land Grant College, College of Virgin Islands. The updating of a bulletin series on municipal revenues and expenditures in Massachusetts towns with populations of 10,000 or more.

Extension. Activities for Massachusetts commodity groups, farm organizations, citizen groups and local and state government continued to be emphasized. Programs and clientele included: A series of management schools for greenhouse and nursery managers, a project of concerned with retail florist procurement practices, store management training sessions with Roxbury-Dorchester minority businessmen, income tax workshops co-sponsored with the Internal Revenue Service and livestock price data were prepared for the State Tax Commissioner's Office.

Other activity included the initiation of a study on the role of consumer food cooperatives in the food distribution system serving low-income urban families, and a record-keeping system for roadside stand operatiors.

In cooperation with the Regional Office of the Small Business Administration, a faculty-student team of management counselors offered assistance upon request to small business firms in Western Massachusetts.

Cranberry Experiment Station

Research. The research program is largely that of biological investigation under approved state and federal projects. Research is designed to investigate the effectiveness of agricultural chemicals, and at the same time, to study means of minimizing or eliminating environmental side effects.

The Water Quality Research Laboratory (under Hatch #346) has mapped the quality of all fresh water ponds and lakes on Cape Cod and a sampling in mainland counties. Quality levels are high, pesticide contamination is low, nitrate and chloride levels are up in some congested areas but on the whole nowhere alarming.

The plant pathology program saw the fungicide Defolatan fully registered by the Environmental Protection Agency for high gallonage application to cranberry bogs for the control of fruit rots.

The herbicide research program received the approval of an experimental label on SAN-9789 by the Environmental Protection Agency. This herbicide has low mammalian and vertebrate toxicity and in repeated field trials controlled several perennial grasses and sedges at rates tolerated by cranberry vines. Sophisticated environmental impact studies and residue determinations are under way toward full registration of the compound.

Analysis of ground water in cooperation with the U.S.G.S., the State Geologist, the Cape Cod Planning and Economic Development Commission and several Town Water and Sewage Commissions is proceeding. Ground water samplings to date indicate high quality, especially at depths below 25 feet, with the exception of some Outer Cape sites where excessive extraction appears responsible for salt water intrusion.

An experimental cranberry harvester (Hatch #51) was redesigned to improve synchronization, mobility and flotation. Many synthetic pheromones (chemical sex extractions) were tested for attractiveness to destructive pests of cranberry and blueberry, but none approached modern standards of commercial control.

The Station is involved in an environmental impact study with the Department of Natural Resources, Division of Marine Fisheries, Ocean Spray Cranberries, Inc., Wisconsin Alumnae Resource Foundation and the Cat Cove, Salem Analytical Laboratory. A 40-acre cranberry bog with a fast flowing river through it will be treated three times with Parathion for fruitworm control in such a way as to forestall harm to fin-fish, shell-fish and other marine organisms in the estuary just below the bog. Water and organisms will be analyzed for residues. The experiment is expected to probe that the registered use of this toxic insecticide in close proximity to the aquatic environment will have no undesirable effects on non-target organisms.

Extension. Activity is integrated with research programs and personnel in taking important findings and information from investigations to people and organizations to help them solve problems relating to their physical, social and economic environment.

Program emphasis includes efficient production and quality improvement of food; the biological efficiency of plants; the conservation, management and use of natural resources; and the assessment, identification of problems, and solutions for improvement of our environmental quality. Major emphasis was placed on the efficient use of agricultural chemicals designed to control pests, promote efficient, high-quality cranberry production, and to minimize environmental contamination.

Meetings, monthly articles in cranberry magazines and personal calls and visits were used to reach growers in carrying out Extension programs. Staff members did extensive public lecturing to explain safe pesticide use and the importance of agricultural chemicals to food production. This activity proved beneficial to concerned citizens by helping them to evaluate any real or exaggerations of pollution problems.

Entomology

Instruction. Degree programs at the B.S., M.S., and Ph.D. levels are offered, although the primary teaching responsibility of the faculty is in service courses to student majors from other departments. Enrollment in these service courses continues to grow. Members of the department are expanding their use of off campus facilities and personnel. Professional biologists from neighboring institutions presented seminars in the department.

One combination teaching-research laboratory was completely renovated during the year, including all new furniture, new electrical services, blackboard and 7 new, phase-contrast microscopes for use by students in advanced courses.

Research. Research continues in a variety of areas identified by the following project titles: (a) Interaction between Insect Populations and their Environment, (b) Tricarboxylic Acid Cycle Intermediates in Normal and Anesthetized Insects, (c) Associations between Psuedomonas melophora and Rhagoletis pomonella, (d) Insects, Pathogens, and Parasites, and (e) Effect of Aging on chemo-receptor Sensilla. The results of this continuing research have been reported in papers read at various meetings. Six research papers were published in Scientific Journals.

Extension. Estimates of contacts with home owners, land owners, etc. for answering complaints pertaining to insect and arthropod pest control would be via 475 phone calls made or received, 200 visitors to the department, or through 300+ letters written to explain some facet of the problem not clearly covered by the leaflets, of which thousands were sent out to regional specialists and homeowners. Some 450 insects and arthropods were identified for inquiring persons.

Spray guides were prepared for apples, pears, peaches, plums, strawberries, blueberries and alfalfa. In addition to the fruit spray guides, special information was provided growers via a dozen twilight meetings and orchard tours as well as special prepared materials. Several revisions of leaflets covering general pests such as cutworms, Japanese beetles, tree insects, etc. were also completed.

An adaptive study program consisted of a special attempt at integrated pest management. Three basic spray programs were evaluated; the results of the experiment were quite revealing and encouraging.

Evaluations of forest insect control were made through spray testing programs. Insects caused massive losses to Pine trees in Eastern Massachusetts. This problem is being investigated to formulate an accurate picture of causes and possible solutions to be recommended.

Environmental Sciences

Instruction. The major thrust of this year's activities of the department was in the teaching program. About 52% of this effort was for Stockbridge, about 44% for undergraduate and 4% for graduate. Each staff member assumed the responsibility for two students in the Bachelor's Degree with Individual Concentration program.

Research. In "Biological Degradation of Agricultural Pesticides," a general pattern of microbial inhibition by Diazinon has emerged. This suggests that sensitivity to Diazinon is mediated by a wide spectrum of variables reducing microbial activity in advance of exposure to the pesticide. "Nitrogen Transformation," reveals that similar populations of microorganisms are found in the bottom flower and fauna of oligotrophic (Quabbin Reservoir) and eutrophic (Pottapaug Pond) bodies of water. Staff members prepared 10 scientific articles, bulletins or papers. Three industrial research grants were awarded by as many companies.

Extension. The Technical Guidance Center moved into its new quarters at Flint Lab where the added space made it more operational. The number of students using this resource has increased tremendously during the past year. The Center's regular activities and responsibilities have been redirected toward the community resource area without reducing its effectiveness elsewhere.

Food and Agricultural Engineering

Instruction. During the 1972-73 academic year, the faculty taught 1,109 students enrolled in 39 different courses an average of 110 contact hours per week for a total of 2,877 student contact hours. The faculty also developed and taught four "special" consumer oriented courses with problems and lab work, to 61 students during the January Intersession, and participated in Residential College porgrams.

Research. There were five active projects in the Massachusetts Experiment Station, one from the National Science Foundation, and one from industry. Research efforts were reported in 23 paper presentations at professional meeting and 15 papers published in a wide range of professional journals. Eight of the paper presentations were international conferences and symposia, and five of the publications appeared in international journals.

Extension. Various programs were concerned with environmental protection; food quality, cost, and distribution; new food sources; conservation and better use of space and recreational resources; and improving the benefits from and simplifying the administration of building codes.

Program emphasis was focused on interstate and regional programming, service to public agencies, educational programs for the agricultural and food industries of Massachusetts and the New England region related to the impact of these operations on the interests of the public at large.

Notable activities include: (a) Leadership in the development of regional Cooperative Extension Programs in Food and Agricultural Engineering with a staff member designated as the coordinator of Agricultural Waste Management, (b) cooperation with the State Division of Water Pollution Control in drawing up realistic guidelines for the protection of the environment from wastes resulting from agricultural production and food manufacturing operations, and (c) preparation of a handbook on "Handling Liquid Wastes from Milking Centers," which has been adopted by the Massachusetts State Office of the U.S.D.A., Soil Conservation Service, and is being used in Massachusetts and surrounding state offices as a guide in environmental protection work.

Food Science and Technology

Instruction. This department is concerned primarily with research and graduate and undergraduate levels. The department currently has about 50 graduate students, of which about 60% are Ph.D. candidates. The M.S. program was recently modified to include three options a) Thesis M.S. b) Project M.S. c) M.S. with subjects only.

The four-year B.S. Program is expanding rapidly. The two- and one-year Stockbridge Programs have had a small enrollment (8-10 students). If this trend continues, this program will be phased out in June, 1975.

The service course area has had a tremendous expansion. The two courses responsible, Struggle for Food and World Food Habits, are electives.

Research. The large number of Ph.D. candidates allows for an appreciable research program. It is supported by both Federal and industry funds, at approximately $80,000.00 per year. We are currently exploring methods of increasing the amount of financial support for research and graduate study. The research program has led to a total of 31 scientific publications as a measure of research productivity.

Extension. The present extension program is fairly small and mainly in the dairy area.

Forestry and Wildlife Management

Instruction. An undergraduate program in Natural Resource Studies (NAREST) was established and 80 students are currently majoring in the program. Over 40 regular courses were offered with nearly all experiencing sharp increases in enrollment because of the continued interest in natural resource manage-

ment. Certain courses are considered service courses because of the large number of students from throughout the campus electing them. One wood technology course was specifically redesigned to accomodate students majoring in business and engineering while another was offered solely to Interior Design Department students. Only lectures in some wildlife biology and fisheries biology courses were open to non-majors because of limited staff and facilities. Extra laboratory sections were added to meet increased enrollments.

Each of the five major curricula in the department (forestry, wood technology, wildlife, fisheries, and natural resources studies) was strengthened to better prepare the students for graduate studies. The undergraduate programs in both wildlife and fisheries are considered pre-professional degrees. The forestry curriculum was reviewed in anticipation of identifying it in this same category.

A 7-month practicum was developed for students to work as interns with municipal conservation commissions. Regular special problem field trips were made into Virginia (6 days) and a 7-day cruise for marine science students was made on the EASTWARD sailing out of North Carolina.

Research. A variety of research projects were productive during the year. Surface water maps of the state were developed jointly by the aerial photo interpretation and wetlands projects. The entire area west of Worcester County was mapped showing vegetation and land-use types. These maps indicate changes in land use since the state was initially mapped 22 years ago. Similarly the mapping team has interpreted land-use in nearly one-half of Rhode Island.

Extensive investigation of Cadwell Forest watershed continued with particular emphasis on soil moisture, growth of oak at various thinnings and fertilization, water quality, and soil compaction. Results demonstrate the feasibility of vegetation management watersheds for increased water yields.

The study of the behavior of beaver was virtually completed and results are being interpreted to determine if beaver populations can be controlled by forcing a change in their dam-building activities. Fish populations in the Connecticut River have been sampled to determine the food chain of the predatory species and the migration of shad has been monitored to ascertain the effectiveness of fish ladders at the Holyoke Dam. Investigations of wood restrained from swelling, such as in glued chair joints, showed that silicone rubber joints exhibited greatest residual strength of several materials tested. Robins were found to be the major disseminator of red cedar and common juniper fruits in fields causing the fields to become overgrown with these evergreens.

Extension. Activities of department personnel were largely performed by one individual but several teaching/research staff members participated in a variety of short courses, symposia, and committee work.

Primarily, activities involved coordinating and administering the program in Community Resource Development: leadership in community development, land-use planning, environmental protection, environmental management programs, industrial development, housing, and environmental education. Considerable progress was made in establishing a wood-utilizing industry, mainly a particleboard or plywood plant, in one of the western counties.

Hotel, Restaurant & Travel Administration

Instruction. Transfer of Food Service Management courses from Home Economics to this department brought a major load of teaching. The course content was redirected to minimize food preparation and to emphasize principles of food science as they apply to the food service field. An addition to the curriculum was the offering of a concentration in Travel and Tourism by a new staff member, who is developing the curriculum, making contacts with the travel industry, and exploring job opportunities for students during the summers and following graduation.

A second semester Symposia for the Study of 21st Century Hospitality was initiated as a series of discussions led by prominent futurists, with the objective of drawing implications for the hospitality field from broad social, economic, and technological changes.

A decision was made to phase out the Stockbridge program. The last freshman class will enter September, 1973.

Extension. Concentration has been on Sanitation in Food Service Operations, Management of Personnel in Food Service Operations, a special program at Belchertown State School, and the preparation and publishing of the periodic release Food Service Management. Meetings, educational materials, consultations with food service people, and a series of seminars in Waltham and West Springfield, together with additional copies of the Food Management Leaflet on Bacterial Food Poisoning have been utilized to give added emphasis to the sanitation problem and other efforts. The seminars on personnel management are closely related to this effort, as one of the major problems in getting good, continous sanitation deals heavily with personnel and maintaining motivation for a preventive kind of program. The program at the Belchertown State School was initiated to help food personnel there improve the food service operation. There are many problems involved, some of which can be readily solved, and some which defy solution.

Landscape Architecture and Regional Planning

Instruction. Search for a new department head has ended with the appointment of Dr. Ross S. Whaley, effective August 5, 1973.

The faculty taught a total of 8,838 student credit hours; this represents 660 full time equivalent students. They were divided 29% Stockbridge, 55% undergraduate and 16% graduate.

Park Administration was reestablished as a major in the undergraduate curricula mainly to provide identity for these students. The Environmental Design program has been revised into a generalized program with an option in Physical Design. Students will have the opportunity to develop an urban or a regional concentration. The senior studios in Physical Design will be limited to those students with the greatest aptitude for design and graphics as indicated by their performance in previous courses.

The department has a total of 10 students on outreach internships who received financial support under four separate grant programs. Students were involved in planning and design for transportation, recreation, housing, comprehensive land use and site selection.

Research. Members of the Department are principal investigators for five sponsored research projects totaling over $130,000. Projects include simulations of rural housing markets through development of landscape assessment techniques, and landscape planning models for metropolitan regions through investigating the implications of animal behavior for design and planning.

Plant and Soil Sciences

Instruction. Interest in courses and programs offered continues to expand as evidenced by the increase in students majoring within departmental specialties. The Fruit and Vegetable, Floriculture, and Turf Management programs have a total of 179 students in the Stockbridge School. Several faculty continue to do an outstanding job in finding employment for graduating seniors. In Turf Management, 22 seniors were placed in positions at annual salaries from $8,000 to $10,000. Undergraduate course enrollments have also shown an increase. Graduate enrollments have remained relatively constant. This is undoubtedly related to the support available, admissions quotas, and national trends. Demand for advanced degree recipients continues to be great with all graduates being offered excellent positions.

Research. Major Experiment Station projects included: (a) The relationship of Nutrition to Plant Physiological Disorders, (b) Post Harvest Physiology of Pomological Fruits: Handling, Storage, and Post-Storage Problems in the Marketing Channels, (c) Effects of Certain Pesticides and Plant-Growth Regulators on Plant Metabolism, (d) Plant and Nutritional Variables Associated with Ammonium Assimilation in Plants, (e) Factors Affecting the Accumulation of Nitrates in Soil, Water, and Plants, (f) Genetics and Physiology of Sweet Corn Quality and Biological Efficiency, (g) Genetics and Breeding of Tomatoes, (h) Compositions of the Amylases in Maize during Seed Germination and in Photosymthetic Tissue, (i) The Mechanism of Rootstock Dwarfing, (j) The Dynamics and Energetics of the Soil-Plant Atmosphere Continuum, and (k) Discovery and Preservation of Valuable Plant Germ Plasm.

Major projects supported with extramural funds included: (a) Roadside Development Program and (b) The effect of Land Use on the Chemical and Physical Quality of Surface and Ground Waters in a Small Watershed.

Extension. This department has a commitment to the dissemination of information to the people of the Commonwealth concerned with the management of plant and soil systems.

Adaptive studies were conducted at two sites to study the effects of animal wastes and fertilizers on the soil and ground water.

Emphasis was directed toward corn production during this period; performance trials, demonstration plots, and no-till methods of culture were tested in several areas of the state.

Adaptive studies were conducted on weed control materials for sweet corn, beans, and cucumbers with the emphasis on new chemicals. A successful Roadside Marketing program was conducted throughout the state and a seminar was held to further advise growers.

An active program of adaptive studies in tree-fruit nutrition, use of herbicides, and plant growth regulator use was conducted.

Adaptive studies were conducted which developed successful methods for winter storage of container-grown nursery crops; current information was made available to nurseryman.

Information was provided to those concerned with turf culture via the publications Turf Clippings and Turf Bulletin. Personal responses were made to over 1200 inquiries concerning turf problems.

Plant Pathology

Instruction. Enrollment increased in all courses including increased numbers of University students taking Stockbridge courses. Shade Tree Diseases was completely revised by and has become required of Stockbridge Arboriculture and Park Management majors. The practical orientation of this course has made it attractive to forestry and landscape operations majors and preregistration for fall has increased significantly. Genetics of host-parasite interactions was offered for the first time and attracted students from Botany and Plant Science as well as departmental majors.

Eleven graduate students, have completed dissertations and theses, and another seven are in various stages of completion. All of the graduates have been successful in finding jobs.

A successful experiment was an invitation to plant pathology students at Johnson State College, Vt., to visit the department. About a dozen students came and were given a tour of the department along with a 10 minute demonstration and talk by each of our graduate students. The field day was so instructive to our own students that it will be continued in FY 1974.

Research. Research is supported primarily by eight Experiment Station projects, of which three are regional projects. Research also is supported by Federal Extension Service Funds and a National Science Foundation Grant.

Each of the 11 theses or dissertations mentioned previously is the result of cooperative research between students and project leaders on a project. Each has been presented as a paper read at a meeting of the American Phytopathological Society and each has led to a scientific journal article.

Extension. Protection of the health of man and plants, efficient production and the strengthening of the biological efficiency of food plants underlies Extension's dissemination of beneficial research results and information to growers of the state.

One staff member has a formal Extension assignment. Other department members help diagnose specific problems, cooperate with regional specialists and speak to grower groups. They also help plan and participate in an annual series of Tree Workshops and programs of tree wardens, arborists, foresters and nurserymen, reaching a total attendance of 2,500.

Control. (Shade Tree Laboratories) Activities are principally centered on the testing of elm trees suspected of having Dutch elm disease. Over 8,000 elm samples were submitted by tree wardens and other arborists and Dutch elm disease was confirmed in 6,903 of them.

Benomyl, a new systemic fungicide recommended for trial by the manufacturer and available to arborists, was tested on 441 trees in the Belchertown nursery. A more extensive evaluation on big trees will be carried out this year in cooperation with the Massachusetts Department of Natural Resources.

Nystatin, an antibiotic developed by the Lowden Tree Company as "the beginning of the end of Dutch elm disease" will be evaluated separately and in conjunction with the vendor. These studies are partially funded by the Elm Research Institute.

Regulatory Services

(Feed, Seed, Fertilizer and Dairy Laws Division)

In compliance with the Massachusetts Feed, Seed, Fertilizer and Milk Fat testing Laws, 9,484 samples of materials were investigated. These samples were submitted by the Department of Agriculture, departments of the University, farmers, commercial dealers and others. One or more (sometimes up to 21) various types of analyses, tests and examinations were made on each sample.

The breakdown of activity also included: 50 toxicology tests, 3,500 soil tests, 69 leaf analyses and 196 pesticide residue tests.

This division was instrumental in getting the new Feed Law enacted (May 22, 1973) and the Rules and Regulations for the Milk Fat testing Laws adopted (February 9, 1973). A new Fertilizer Law has also been drafted.

The division cooperated with several departments in teaching 219 students who came for lectures in seed technology and a few others who came for instruction in chemical analysis of agricultural materials. The staff served on the thesis committees of two graduate students. The research work has been concerned in the analyses of experimental materials sent by various departments or government agencies.

Suburban Experiment Station

Research. Significant research studies include the following: (a) Corn Genetics and Improvement, (b) Air Pollution Studies, (c) Root Disease Studies, and (d) Urban Pest Studies.

Extension. In floriculture new dimensions were realized in education through the New England Greenhouse Conference representing a cooperative effort of the six New England States' Extension Services and growers organizations. In addition, out-of-state growers' tours were effected, along with in-state growers' conferences. Pollution problem diagnosis was extended to include air sampling and analyses which, in several cases, resulted in installation of proper exhausting and ventilating systems representing the elimination of a health hazard and the saving of floricultural crops. Adaptive studies in the evaluation of annuals for suitability in New England continues through the All-America Trial Gardens.

In Arboriculture the program is primarily clientele counselling and adaptive life history studies which make the shorter-lasting pesticides more effective. Participation in many professionally tree-oriented meetings and workshops, and the preparation and distribution of guides were published as part of Tree News. Vegetable Crops Activity consisted of problem solving for and distribution of informational material to growers. Considerable effort has gone into the greenhouse tomato program, with the highlight being an all-day meeting for greenhouse tomato growers.

A series of monthly lectures and workshops were provided for horticulture chairmen and guests of the Garden Club Federation of Massachusetts. One workshop in plant propagation, with a follow-up workshop in terrariums, was conducted for a group of 35 inner city retirees in Suffolk County. A publication entitled "Urban Plant Life" was completed as a 4-H leader training manual, and a 4-H leader training workshop was given at the new 4-H Center in Ashland on "Container Growing of Vegetables." Plant and Pest Clinics were conducted throughout the year, with continuing direct assistance to homeowners, cities and towns, exterminators, and garden clubs. Well over 30,000 direct inquiries were answered, and over 22,000 soil samples processed. A reference library for home gardening, as well as a number of informative publications were prepared. The Plant Disease Diagnostic Laboratory diagnosed 1,584 specimens and supplied appropriate recommendations.

Control. The Avian Diagnostic Laboratory received a total of 3,593 avian specimens were submitted in 582 consignments for a systematic autopsy and a bacteriologic-virologic examination. Serological tests were performed on 2,247 individual blood samples in immunity determinations for respiratory diseases.

The mycoplasma gallisepticum Control Program produced 136,200 ml of inoculum to immunize 481,100 market egg replacement chickens. This brings the five-year total for this program to 479,210 ml of material to immunize 2,196,670 chickens.

Veterinary and Animal Sciences

Instruction. The Animal Science Program of the Stockbridge School continues to flourish and the Laboratory Animal Technology option continues to attract additional students. In spite of an interest to enroll better prepared students in the Stockbridge program, no attempt will be made to transform the curriculum to a type comparable to a liberal arts community college program. The unique qualities and goals of the Animal Science and Laboratory Animal Technology Programs should be recognized and their mission should continue to be a goal-oriented technical program for students interested in careers with the animal industries or laboratory animal programs.

Baccalaureate Degree - The enrollments in the four-year program continue to increase. Two options have been developed, Animal Science option and Animal Industries. Remodeling of a laboratory in Paige Laboratory for instruction was completed; this facility will greatly improve capacity to handle increased enrollments and additional laboratory sections.

Graduate Program - An extensive self-study of this program was made as of January 1972, and reviews and discussions have continued. Four Ph.D. and two M.S. degrees were granted, and graduate education has been an important component of our instructional and research program The instructional program is about 12% graduate, 58% undergraduate, and 30% Stockbridge.

Research. Research studies in conjunction with graduate student studies continue to be one of the major areas of departmental effort and emphasis. A valuable fall-out of these research projects is the equipment and materials available to support undergraduate education. These resources have played a major role in maintaining the qualitative aspects of the four-year curricula. During FY 1972-73, the faculty and graduate students have published 34 research contributions in recognized scientific journals. A biographical listing of these scientific publications is available and represents a significant record of the scientific contributions of the department.

Extension. Programs for the animal industries of the state are under the leadership of five Extension coordinators for dairy, D.H.I.A., animal diseases, poultry and livestock. These specialists also make a significant contribution to the resident instruction program as all teach formal courses, present seminars and guest lectures, and participate in research and graduate programs.

Two programs receiving continued emphasis and development by extension faculty have been: (1) Northeast regional cooperative projects and educational programs; and (2) field studies. In addition to the complex problems of conducting educational programs for the highly commercialized animal industries of the Commonwealth, the department receives many inquirys from persons embarked on "hobby" or "back-to-the-earth" projects. These individuals have many questions on the care and management of domestic animals and poultry ranging from simple husbandry questions to zoning regulations.

Control. The Animal Disease Control programs of the department represent an important public service obligation. The University is assigned the responsibilities for the laboratory resources required by the General Laws of the Commonwealth. Animal industries are the recipients of the results of these programs, but the ultimate beneficiaries are the consumers and citizens of the Commonwealth.

The Mastitis Control Laboratory tested 145,000 milk samples during 1972-73. Currently 225 herds free from *Streptococcus agalactiae* are being tested semi-annually and 40 herds are currently on an eradication program to attain this status. The accomplishments of this laboratory have made a significant contribution to the supply of fresh wholesome milk for the consumers of Massachusetts.

During the recent testing season 285 chicken, turkey and game bird flocks were tested for Salmonella pullorum and represented 229,783 individual blood samples. A total of 295,304 tests for *Mycoplasma gallisepticum* and 78,125 for *Mycoplasma synoviae* was conducted during the past season.

In addition to these specific testing programs, a Poultry and Large Animal Diagnostic Laboratory has been maintained. The poultry diagnostic activities have included specific surveillance for Asiatic Newcastle disease, a disease that is currently reported in California, with extensive federal effort and expenditures committed to eradication; and Eastern Equine Encephalitis involving the Department of Public Health of the Commonwealth of Massachusetts. The Large Animal Diagnostic Laboratory has been involved in many unique accessions including an outbreak of tuberculosis among exotic animals at the Forest Park Zoo, Springfield.

SCHOOL OF BUSINESS ADMINISTRATION

As indicated in the statements from the four Departments of the School of Business Administration, the 1972-73 academic year has been one of intense and varied activity. Curriculum reviews have been conducted at both the graduate and undergraduate levels, and programs have been appropriately revised to bring them into line with current student needs and opportunities. Other significant activities and achievements are listed below:

1. Increased involvement of the School in special programs such as BDIC, University Without Walls, the ACTION Program, and the VITA Program (which involved 150 students trained by the Accounting Department) to assist minority and other disadvantaged persons in the preparation of income tax returns.

2. The ABLE Program, designed for disadvantaged students who are candidated for the MBA Degree, has continued. While this Program began at the University of Massachusetts, it has now been extended to include Syracuse University, Howard University, and New York University. The headquarters of the Program is still located on the Amherst Campus.

3. The Law Group within the School of Business Administration offered a special program during the January break, and has been involved in the development of the Commonwealth Legislative Research Referral Service.

4. A lower division undergraduate course entitled, "Introduction to Business Enterprise," is being offered experimentally to freshman students under the direction of a marketing professor. This is seen as an orientation course for lower division business students, and for non-business students who have an interest in learning how the business system operates as a component of contemporary society.

5. The Center for Business and Economic Research has been working closely with the School of Engineering in connection with seminars and research designed to contribute to the solution of some of the economic problems of the Commonwealth. In this connection, a grant was received from the Merril Foundation. Additionally, the Center is providing needed support to the research activities of SBA faculty members. The possibility of the Center's developing an economic newsletter of primary interest to the Commonwealth is being explored and possible sources of funding investigated.

6. Several of our advanced courses in Management and Marketing have involved research and planning activities undertaken collaboratively with business firms, non-profit organizations, and the Campus Center.

7. In the general area of Continuing Education, the Marketing Department operated a series of nine Marketing-Management seminars which attracted an average attendance of 35. A Marketing Planning Seminar was also undertaken in cooperation with the Western New England Chapter of the American Marketing Association. This activity attracted a nationwide audience of well over a hundred. Similar seminars were conducted in the area of Personnel and Labor Relations. The Accounting Department was host to the Northeast Regional Meeting of the American Accounting Association. This conference was highly successful and drew a record attendance of 350. As an outgrowth of the Junior Executive Training Program which is operated each summer in connection with the Experiment in International Living, 35 students from Ecole Supieure de Commerce came to the Campus for a two-day briefing and were taken on a one-week industrial tour by members of the SBA faculty.

8. Activity in the area of publications and research continues to increase both in quantity and quality. Unfortunately, our visibility resulting from presenting papers at professional meetings has declined somewhat because of the severe constraints that have been placed on travel funds.

Accounting

The major program objective of this department is to meet student demand for courses which are offered within the Department. Other objectives, related to the major one, include proper staffing of courses; continued monitoring of courses to make certain that course content and design meet current educational and professional standards; development of new courses; and to encourage research which is related to the continued development of the field of accounting.

The Department supported and participated in an Outreach Program, VITA, in which approximately 150 students participated.

The Department hosted the Northeast Regional Meeting of the American Accounting Association. The registration for the 1 1/2 day meeting was approximately 350 and drew participants from the entire Northeast.

The major change in program scheduling occurred as a result of significant enrollment increases in Accounting 120 and 130, the elementary accounting course sequence without a corresponding increase in faculty. The Department scheduled one section of each course in a large auditorium, seating 100 students, and used these sections to absorb enrollments which could not be handled in the regular classrooms. In order to provide some individualized counseling to students in these large sections, labs were scheduled for two afternoons each week and were staffed by teaching assistants. The plan seems to work reasonably well but students prefer the smaller sized classes (30-35).

General Business and Finance

The Department of General Business and Finance consists of four separate and distinct academic areas, and in the fiscal year ending June 30, 1973, included 28 regular full-time faculty, as follows:

Finance and Insurance	9 faculty
Law and Environment	8 faculty
Management Science	6 faculty
Urban and Regional Studies	5 faculty
TOTAL	28 faculty

The total of 28 is an increase of 3 over the previous year - with two having been added to the Law and Environment Area and one having been added to the Urban and Regional Studies Area because of increased enrollment pressures.

In addition to regular Department degree programs, department faculty staff service courses for regular school-wide degree programs at the undergraduate, master's and doctoral levels - at night as well as during the regular day hours, and in the summer as well as during the regular semesters.

Department faculty also participate in a variety of School and University degree and non-degree programs, such as Continuing Education, JET Program, BDIC, Residential College, University Without Walls, and ACTION Program.

In addition to the intersession law seminars, the Law and Environment faculty developed an all University program in Legal Studies. The program is an undergraduate degree program which contains a general education component. The program has been approved by the Faculty Senate and awaits approval by the Board of Trustees.

An innovative Legislative Research Referral Service was continued for the second year in the current fiscal year. This service enables college students to acquire college credit for research on pending legislation while simultaneously providing legislators and public agencies with free research service.

Management

During Fiscal '73, the Department completely revised its undergraduate curriculum, eliminating the four concentration concept in favor of a single major featuring maximum flexibility for the student. Two new courses, Management 230 (Managerial Behavior) and Management 348 (International Management) were proposed, the former to be a new required course with the latter offered as an attractive elective. The new curriculum will allow the student to build his own concentration with the assistance of his advisor.

A large gain in enrollment has occurred in Management 201, our basic introductory course. During this year, 958 students have taken Management 201 versus 629 during the previous fiscal year. A large part of the increase reflects the attractiveness of the course as an elective for other schools and departments as well as the normal growth of the School of Business Administration. In addition, some of the increase can be attributed to a change in the course structure from the large mass lecture approach to smaller class sizes. The course is now taught in small sections with an appointed course coordinator, a common syllabus, common examinations, and common grading policies. Student response to those course changes both qualitatively and quantitatively seems quite positive.

SCHOOL OF EDUCATION

Undergraduate Education: The School of Education's continued emphasis on undergraduate education, which has been guided since 1970 by the Teacher Preparation Program Council (TPPC), recently received national recognition when the School was awarded the Distinguished Achievement Award by the American Association of Colleges for Teacher Education at the organization's national convention in Chicago earlier this year. The program was cited for its 22 different teacher preparation programs "each with a different thrust and each created in answer to the need for teachers trained and oriented toward a specific kind of student, school, curriculum, or community involvement."

During the past year, TPPC has been responsible for serving approximately 1,500 undergraduates and 120 graduate students preparing for teaching or closely related careers in pre-elementary, elementary, or secondary schools. The 22 alternative programs in which they participate represent a wide variety of educational environments (urban, suburban, agricultural, and international), differing educational foci (reading, media, science, math, social studies, special education, bilingual-bicultural education), a variety of geographical locations (Massachusetts, nationwide, international), and differing time commitments (a semester to three years).

Graduate Program: During the 1972-73 academic year, 1,100 FTE graduate students were enrolled in the School of Education, of which approximately 70 percent were doctoral students and the remainder Master's or special students. The School's graduate program attracted 2,600 formal applications from the Commonwealth and throughout the nation last year. Of this number, it accepted 722 (27 percent) with 585 (81 percent) attending--which represents a high attendance percentage out of the total admitted.

Most Master's and doctoral programs are individually constructed by the student in consultation with, and with the approval of, his advisor. A graduate student has many options in developing his program and may base it on his career goals, educational interests, and previous experience. He may choose courses and learning experiences from a number of centers, or devote a portion of his program to work in any number of capacities in one of the funded projects, or choose to teach a course under the sponsorship of a faculty member, or find other learning opportunities--internships, research projects, guided readings, outside courses and workshops, or any other appropriate learning experiences which fit his needs and is approved by his advisor. To assist students in planning their programs, the School maintains a Graduate Advisement Office which provides individualized advising to students beyond that provided by their major faculty advisors.

The School recently completed a survey of its doctoral graduates for the last four years with 220 out of 248 reporting and obtained the following significant results:

--Approximately one-half of its doctoral graduates have taken positions in Massachusetts
--103 are presently serving on college or university faculties
--30 are school district administrators, eight as superintendents
--28 are university administrators
--22 are affiliated with government or public agencies

Faculty: Approximately 90 of the present School of Education faculty (hard and soft money positions) have been hired since 1968 and its total faculty now stands at 110 (83 state positions). In hiring faculty over the past five years the School has sought out those of highest caliber by such conventional measures as teaching ability, scholarship, and educational leadership, but also with the intent that the faculty represent heterogeneous skills, academic fields, and educational philosophies and that it reflect the emerging priorities of the School.

Although an assessment of overall faculty quality is difficult, the following data may be of some help:

--94 of the faculty have doctorates or terminal degrees in their field
--16 faculty members are black or members of other minorities
--12 faculty members are female

Normal faculty activities include teaching, research, services, and program management. Recognizing the diversity of faculty and individual preferences and skills of faculty members, the School does not impose a predetermined distribution of activities on faculty, but rather each year negotiates with each faculty member how he will allocate his time--within the context of the overall needs of the School and the University.

Flexible Curriculum Program: The School has moved to a Flexible Curriculum Program for the granting of academic credit. Developed under a Carnegie Foundation grant, the Flexible Curriculum Program divides the traditional unit of academic work, the credit, into 100 smaller units, known as modules. The scaling down of the basic unit has the effect of substantially increasing the options available to faculty and students for teaching and learning. No longer must a given learning experience be incorporated in a semester long course. Credit can be given for learning experiences of any duration, giving increased flexibility to students in designing programs specifically to their needs and teachers in scheduling their work load.

Microteaching Clinic: The new facilities for the School's Microteaching Clinic were completed in November of 1972. Located in the basement of the School of Education in the area previously occupied by the Education Library, it consists of four microteaching laboratories equipped with videotape recorders and monitors, two videotape review rooms equipped with videotape playback machines and monitors, an equipment checkout room, a conference and one-way observation room, and administrative offices.

Media Program: The Media Program is seeking to train better teachers, staff and administrators creatively able to (1) analyze and utilize effective non-print media, (2) develop media programs in the schools--elementary, secondary, and higher education, (3) promote the careful study of mass media and facilitate curriculum development with imaginative use of media, and (4) produce relevant instructional materials for classroom use. Also included under this program are the Media Specialists for the Deaf Program and the Microteaching Clinic, which are part of the recently-instituted school-wide Media Services division serving faculty and students in equipment competency and utilization.

Fall/Spring Marathons: The Fall and Spring Marathons have become established as one of the more exciting, innovative and successful academic programs of the School of Education. During each Marathon Week, the School excuses nearly all of its classes and sponsors a variety of events in the form of workshops, lectures, seminars, films, projects, etc. The Marathon is designed to provide a platform for discussing and exchanging new, pertinent and innovating educational ideas of a participant's choice. Eight to twenty different experiences are usually scheduled at any one time with the program beginning in the morning and running into the late evening.

Funded Projects: The funded projects of the School of Education play an integral and essential role in maintaining the School's national leadership in educational reform and innovation. They also provide much of the impetus for field research and experience without which the blend of educational theory and practical application would be impossible. The range of projects is as diversified as the centers which make up the School.

Some of the major funded projects which have been conducted by the School over the past year are briefly summarized below to give some indication of the scope and magnitude of these activities.

The Career Opportunities Programs in New York City, Worcester, Springfield, and Boston are preparing over 300 low-income, minority personnel, who work as paraprofessionals in their local community schools, for certification to enable them to become full-fledged teachers in these schools.

The ANISA (American National Institution for Social Advancement) Project seeks to develop a new comprehensive model of early childhood education and teacher education based on the development of learning competencies in a variety of areas - affective, cognitive, psycho-motor, etc. - as a way of releasing human potentialities and allowing them to develop.

The Ford Foundation Humanistic Education Project seeks to develop a total humanistic curriculum package including a comprehensive rationale, curriculum materials, and training programs for public school teachers who wish to use the materials.

The Ford Foundation Executive Leadership Program is designed to prepare educational leaders, through a combination of academic course work, humanistic education experiences, study of organizational change theories, and practical experience in educational administration.

Project J.E.S.I. (Jobs, Education, Self-Improvement) with funding from the State Department of Education seeks to rehabilitate disadvantaged, drop-out youths in four cities in Massachusetts: Boston, Worcester, and Springfield, by providing job-training, access to jobs, and personal psychological counseling.

The Massachusetts and New York Evaluation Service Center for Occupational Education seeks to provide a state-wide data base for the assessment of vocational technical education programs and to gather data on the three most essential aspects of vocational technical education - product, process and cost.

The Ecuador and Uganda Projects, both funded through the Agency for International Education, are examples of the School's involvement in developing educational programs in and for developing countries.

The Comprehensive Early Childhood Resource and Training Center provides training in early childhood education for Headstart staff and parents, and serves as a resource center at the University of Massachusetts to all Headstart grantees in the area.

The Alternative Schools Program (Office of Education) seeks to develop staff and implement with selected school districts (e.g., Pasadena, California; Worcester, Mass., and possibly Providence, Rhode Island) comprehensive alternative models of schooling within the current structure of public education.

The development of a Clinic to Improve University Teaching is funded through the Kellogg Foundation for three years and is currently working in conjunction with several academic departments at the University of Massachusetts, Amherst, and the Monterrey Institute of Technology in Mexico. The Clinic focuses on the improvement of teaching in Higher Education.

The Northeast Regional Media Center for the Deaf has received major funding annually since 1966 from the Bureau for Education of the Handicapped of the U.S. Office of Education. NRMCD is one of the four regional media centers in the country which is designed and equipped to provide a broad range of services in the general area of media to serve those who teach the deaf.

These and over twenty other funded projects have enabled the School to provide support services for its programs that could not be adequately provided through state allocations. It has also enabled the School to attract and support outstanding graduate students who are both a valuable resource to the School and who, through their involvement in funded projects, merge their academic training with direct involvement in projects both on and off campus.

SCHOOL OF ENGINEERING

Office of the Dean

The Dean's Office administers undergraduate counseling, recruiting, and record keeping. In addition, it covers the research services and research shop operation. Other active programs administered by the Dean's Office include the following:

1. Two freshman engineering courses are administered by the Dean's Office.

2. COMTECH represents the School's and the University's industrial relations outreach function. COMTECH is leading our efforts to enhance the productivity of Massachusetts industries and also to create new jobs in the Commonwealth.

3. A variety of programs of support to non-traditional students; faculty and students at community colleges, high schools and junior high schools have been initiated under our outreach mission. These include:

    - Boston State College Cooperative Program
    - Community College Contact
    - High School Contact
    - Black Science Student Organization
    - Industrial Advisory Boards and Development
    - Forest Park Junior High School Program
    - Roxbury Community College

The School of Engineering has been able to develop teaching and research programs that involve faculty and students from the various departments in the School as well as persons from outside the School.

1. A M.S. Degree Program in Manufacturing Engineering was developed by a group of faculty in IE&OR and ME.

2. The Ocean Engineering graduate program involves faculty from all our departments. In addition, there is a close liaison with the Marine Science faculty and the Geology faculty. A joint coastal zone research program is also developing between ocean engineering faculty and the geology faculty.

3. Since 1972, a sponsored research effort in the field of pollution free energy has been underway in the School of Engineering.

Chemical Engineering

In addition to maintaining strong undergraduate and graduate educational programs, the Chemical Engineering Department is developing exciting programs which are some of the most innovative in the Nation. These include:

- Entrepreneurship Program
- Energy Conversion
- Bioengineering
- Environmental Quality Control
- Polymer Science and Engineering

Civil Engineering

Great student interest exists in Civil Engineering at the present time. Both the Environmental Engineering and Ocean Engineering graduate programs are administered by the Civil Engineering Department.

Exciting programs in the following areas are sponsored by this department:

- Transportation and Surveying
- Fluid Mechanics
- Structures Mechanics
- Soils and Earthquake Engineering
- Environmental Engineering

Rather extensive industrial and community outreach service is performed by the Civil Engineering Faculty.

Electrical and Computer Engineering

The computer systems engineering program in the Department of Electrical and Computer Engineering is undergoing rapid expansion. Significant growth in sponsored research has occurred in the Department and efforts are now underway to publicize the excellence that has been attained.

In addition to Computer Systems Engineering the following teaching and research programs are also found in the Department of Electrical and Computer Engineering:

- Communications and Signal Processing
- Electrical Energy
- Solid State Microelectronics

Industrial Engineering and Operations Research

The faculty of IE and OR are trained and have experience in the systems approach to societal problems. They work in the very important areas of health care delivery, transportation, environmental problems, energy, as well as many others. The IE&OR Department is working jointly with the MAE Faculty to initiate the manufacturing engineering program mentioned earlier.

Other programs include the following:

- Siting studies for Massachusetts Department of Commerce
- Worker Productivity
- Pollution Free Energy Systems
- Waste Wood Utilization
- Solid Waste Management
- Metrication Program

Mechanical and Aerospace Engineering

This department has developed extensive interaction with industry and is developing teaching focused on real problem solving. They have established a viable late afternoon graduate program of great interest to engineers in industry.

The MAE Department sponsors these specific programs:

- Machine Design
- Materials Engineering
- Energy Conversion
- Environmental Engineering
- Aerospace Engineering

SCHOOL OF HOME ECONOMICS

For several years this school has been squarely facing the question of charting a course for future development. Some of the problem arose from shifting emphases in programs within the school so that the traditional meaning and goals of Home Economics were losing their applicability and effectiveness as a unifying force.

This does not mean that the various departmental programs were withering away. On the contrary, most of the segments were growing very dynamically but in directions which tended to decrease the inter-dependence of these programs. It gradually became apparent that most of the programs could probably benefit from closer ties to disciplines outside the School of Home Economics.

During this year some of these concepts became crystallized and the various programs and departments strengthened their ties to disciplines in other schools. In fact, the courses dealing with institutional foods were coordinated with and transferred to the department of Hotel, Restaurant, and Travel Administration. It is likely (almost unavoidable) that the other programs will seek similar alliances, so that these programs will continue to prosper but in other units, with different leaders, and with reinforcement from the new surroundings. The School of Home Economics will then cease to exist as the unit we have known.

Human Development

At the beginning of the academic year, the University Day School was transferred from the Chancellor's Office to the Department of Human Development. The School served the children of students and support staff, 40 in the morning and 40 in the afternoon. The School was also a teacher-training facility for Human Development majors interested in careers in day care, headstart, and public school teaching. Finally, it served as a model for 4-H personnel interested in setting up day care centers around the state.

The Department continued to run its Laboratory School, which is a teacher-training facility for students in Human Development and Home Economics Education interested in regular teacher certification in Massachusetts, headstart, nursery school teaching, and special teacher certification (work with the emotionally unadjusted or with the mentally retarded). Because of the overload of majors, it was necessary to reinstate the practice of using public schools for practice teaching for those who could not be accommodated in our two schools (Day School and Lab School).

The Department, in cooperation with the Department of Mental Health, continued to run the Clinical Nursery School for the Mentally Retarded.

The number of students served in our various teacher-training facilities went up sharply this year because of the increase in Human Development majors.

The class enrollments leveled at 1200 students because ceilings were set for many courses. There is a limit to the number of students we can "process" through the teacher education sequence and the small size of the faculty (6 FTE's engaged in teaching, and most of these also engage half-time in research) have made ceilings necessary. Even so, the student-faculty ratio is probably the highest in the University.

Four faculty research grants and one faculty growth grant were awarded to members of the Department. Four members gave six papers at international and national conventions this past year and several articles were published.

Textiles, Clothing and Environmental Arts

This department moved from its primary concern with domestic arts into several professional options: Fashion Marketing, Consumer Services in Clothing, and Interior Design. Three new faculty members (including a new department head) strengthened the existing programs and enabled the department to offer several new and revised courses.

The major thrust was in the area of Interior Design with a strong emphasis on interdisciplinary courses. Several other departments and areas of the university were approached, resulting in several experimental courses, including an interdisciplinary graduate course in Design, Environment and Behavior. The professional direction of the design program attracted a number of students from related areas. Through faculty participation in major national conferences and professional societies, as well as a number of faculty publications, the interior design option is already nationally recognized.

Nutrition and Food

Undoubtedly, the major event of this year is an event which has not yet happened but has in fact colored and influenced most of the activities and decisions of the past year. This is the impending fusion of the Department with the present Department of Food Science and Technology to form a new Department of Food Science and Nutrition within the College of Food and Natural Resources. Such a move reflects both a National and International trend towards the development of science in this general area and the proposed name is well known and understood in many other countries.

Thus, planning for this move has been a major concern of the year's activities and it is believed that this move will strengthen both departments since the two areas have become more closely tied to problems of food supply and utilization. Both are highly science oriented and complement each other very well. The gradual move away from unprocessed foods towards the highly sophisticated, technically oriented, capital-intensive, food delivery systems in the U.S. today requires a more integrated approach to food science and nutrition. With regard to teaching programs, the merger will result in a nutrition option, and a food science option, at both the graduate and undergraduate levels within the same department.

However, despite the continued state of transition which has been the lot of the School of Home Economics for the last several years, while awaiting the impending departmental fusion, there have been several very positive changes within the department. These are:

Several of the courses comprising the general new curriculum, approved in May 1972 have now been phased into operation. In this new curriculum the basic requirements have been upgraded so that a full year of chemistry followed by organic chemistry and biochemistry is now required for a major. The new courses Basic Human Nutrition and Nutritional Problems of the United States have now been offered for the first time and have met with general student approval.

There have been no new specifically graduate courses; the titles of the courses already being offered cover the ground adequately. However, considerable upgrading of the graduate level course content has been achieved and there are additional courses in the 300/600 series which are now available for graduate students so that there is now a wider choice of courses available. Much still remains to be done and courses in nutritional biochemistry and methodology in nutrition research are proposed which will be developed after the impending departmental fusion.

Several research projects which were only in the planning stage last year are now active and fruitful.

Home Economics Education

This year the community based teacher internship program was initiated in Lexington, Newton, Longmeadow, Amherst, and Northfield. The human services field work was also instituted and reached Plymouth County, South End Boston, Belchertown, Northampton and other towns.

The department was also co-sponsor for three special conferences or seminars which were accepted for graduate credit: Today's Realities with the National Home Appliance Manufacturers, The Entire Life Cycle Course, which was repeated, and the Quality of Life conference.

SCHOOL OF NURSING

The School of Nursing will implement a new undergraduate nursing curriculum in September, 1973, which will prepare the student for the expanded role. The focus of this curriculum will be on health. Growth and development will serve as the theoretical framework for the nursing major, which will be offered in the last two years of a four year academic program. For the majority of the students, courses in the major will be completed within the two academic years. Students will have the opportunity to challenge certain parts of the program; i.e., supportive courses, courses in the general education component and basic nursing skills.

Four community satellite learning centers are being established to serve as bases for a group of faculty and students throughout the Nursing Core component of the new curriculum. Learning experiences will be planned from these centers and will permit student involvement with individuals, families and communities over an extended period of time.

Learning Activity Packages and utilization of the multimedia auto-tutorial laboratory will permit the student to acquire knowledge and skills at his own rate. During the last year of the program, each student contracts with an individual member of the faculty for from nine to 15 credits in an experience entitled Individual Area of Concentration. Students may take electives in the University or in nursing during the final three semesters of the major.

In developing the curriculum, the faculty and students have been working in task forces over the past 4 1/2 years. We are currently grouped and working as teams identified with each learning center.

The faculty is also in the process of designing a new graduate curriculum. Although the graduate curriculum committee is in the early phases of deliberation, some ideas which are being explored include:

1. more emphasis on student's involvement in planning own program of study,
2. increased opportunity for students to design individual learning experiences and negotiate with faculty to initiate them,
3. availability of various learning experiences from faculty and contracting by students for selected options, and
4. development of additional core courses to complement the existing core courses in research.

Currently, graduate nursing students select a program of study from one of three clinical majors: Community Health Nursing, Medical-Surgical Nursing and Psychiatric-Mental Health Nursing. The student can contract for study in two majors or elect functional preparation in administration, clinical specialization or teaching.

SCHOOL OF PHYSICAL EDUCATION

Five departments make up this School. One, the department of Athletics, has a minimal role in the instructional programs. All of the others have major involvement in the undergraduate instructional program and all but Leisure Studies and Services contribute to the graduate program.

Exercise Science

Twenty-eight undergraduate and graduate courses were offered during the year by the six members of the Exercise Science Department to approximately 750 undergraduate and graduate students. Three of these courses were offered for the first time. Nine journal articles were published by our faculty during the year. In addition, several journal articles were published by selected doctoral students in this department. One book was revised by a faculty member and approximately ten invited papers were presented in various parts of the country. Our faculty served on nine school committees, and seven University committees. The service activities of two of our faculty members extended far beyond the walls of the University in connection with their work with the mentally retarded. Finally, a $25,000 research grant should not be overlooked.

Leisure Studies and Services

The primary program of the department continues to be professional preparation of undergraduates for entry into supervisory and assistant executive positions inlleisure service agencies, and for technical specialist positions in leisure service departments of agencies serving special populations (i.e. atypical individuals).

An important achievement of the current year has been a change in name from Department of Recreation, reflecting broadened concepts. Leisure Services implies a concern with non-recreative leisure, recognizing the fact that other professions and agencies use recreational programs as communicative media or vehicles for pursuit of their missions, such as in therapy, delinquency, welfare, informal education, etc. The new name implies our desire to interrelate more closely with such interests. The other part of the new title, Leisure Studies, recognizes an obligation to develop a program of academic, i.e. unapplied, investigation of leisure and leisure activity, an endeavor which is still in its infancy nationally as well as here. The department has also revised its undergraduate curriculum; one aspect of which is significant: the required major courses within the department no longer involve performance skills or leadership techniques laboratory work.

Physical Education for Men

The department is pleased to report the following achievements for the year:

1. The Ph.D. specialization in sport studies was implemented. At present there are six (6) students pursuing study under this specialization.

2. This is the second year during which the master's degree specialization in sport administration has been available. Twelve (12) students have received their degrees with this specialty to date. There are twenty-one (21) students enrolled in this specialization at this time.

3. "The Center Concept" has been introduced into the student teaching program.

4. The General Physical Education Program continues to provide for the needs and interests of the student body at the University. The most noticeable trend in this program is reflected in the interest of the students involved. To be more specific, undergraduate students today tend more and more to select activities such as outdoor education programs, scuba, yoga, judo and skiing in preference to some of the more traditional sport activities, such as volleyball, badminton, basketball and softball.

It seems absolutely imperative that some kind of in-service training program for educators be established if the sport studies concept is to reach its potential.

Perhaps the most pressing need at the present time is to provide a program of sport activities and services which will eliminate many of the artefacts which are currently involved in the structure represented by intramural sport, the general physical education program and what might be called the spontaneous participation in sport activities through the utilization of facilities and equipment made available by the University.

Physical Education for Women

The most significant changes have been several thrusts toward the re-examination of the study of sport and physical activity in relation to the future directions of the Department of Physical Education for Women and Physical Education for Men within the School of Physical Education.

Undergraduate concentrations were reorganized into three areas - dance, sport studies, and physical education. The emphasis program in physical education for women has been clarified and informative materials prepared for students. The faculty members and students in dance have produced several excellent dance programs on campus and in a number of towns and cities in the Commonwealth.

Last year the University of Massachusetts joined the Association for Intercollegiate Athletics for Women and the Eastern Association for Intercollegiate Athletics for Women. Intercollegiate athletic programs were conducted in seven sports.

The physical education concentration is expected to pursue the teaching center concept and the identification of additional non-school experiences to be substituted for student teaching. It is hoped that the dance concentration will explore further cooperation in a Five College Dance program.

The concept of an undergraduate major other than professional or teacher preparation should be developed. The former permits the development of a broad range of academic and professional programs. The latter concept is too narrow for the changes that will occur in the next quarter century. The physical education group should address itself to instructional programs other than in schools. Future trends in education, population mobility, homes and buildings, and life styles should be investigated and the place of physical activity in these settings should be conjectured. The concept of a continuance of physical activity from infancy to old age and the relationship of the physical educator to this continuance should be studied. Programs in therapeutic physical education (special, atypical or other appropriate title) should be strengthened and publicized. With dance therapy and aquatic therapy courses an actuality, the needs in this area center around identification and publicity.

Athletics

For some time the University of Massachusetts has conducted the most comprehensive intercollegiate athletic program of any of the New England Land Grant Universities, and in a changing and complex higher educational realm, constant re-evaluations and improvements are being made to keep abreast of the ever-increasing needs of the entire student enrollment.

Although Yankee Conference competition comprises the core of most of our athletic schedules we do endeavor to compete with major schools in the East whose programs have aims and ideals that are compatible with ours.

Within our current budget resources, every effort is made to encompass the needs of as many students as possible, and more than a thousand of our undergraduate enrollment are actively participating in the twenty three teams that now represent our University in formalized intercollegiate competition. We are very cognizant of the fact that any successful program must be able to adapt smoothly to changes in attitudes and needs resulting eventually in new or expansion of activities. Along this line we are broadening our base as far as competitive women's activities are concerned and club sports which show continued interest and support from a representative group of students over a period of time, are continually evaluated as possible activities to be included in our formalized programs.

While our primary goal is to encourage and invite participation from just as many students as possible in a variety of team and individual sports, we do not lose sight of the fact that a certain quality of performance must be attained.

The success of our teams over the past few years in New England and Yankee Conference competition would tend to indicate that there are many things we are evidently doing quite well in our efforts to achieve a degree of excellence comparable to those expected of academic departments of the University. This past fall our football team won the Eastern College Divisi n Championship in a post-season game that was televised regionally, and a few months later our basketball team participated in the prestigious National Invitation Tournament in New York City for the third time in the past four years. We have had several student-athletes do extremely well in national championship competition during the past year and our baseball team is ranked among the top twenty college teams in the country following an impressive showing in a national tournament during the recent spring recess.

THE GRADUATE SCHOOL

The Graduate School differs from the other schools in that it has had more of an administrative role than a direct instructional function. While it is true that three interdisciplinary instructional programs, along with the associated faculty, have been administered by and through the Dean of the Graduate School, his responsibilities have included other major activities of a more administrative nature.

The Graduate School has charge of the admission of, maintaining records for, and awarding of degrees to all graduate students. These activities utilize the cooperation of the faculty members involved. The bulk of the paper work of admissions is handled by the school, but completed applications are referred to the faculty of the discipline of intended study for the critical decision. The degree is actually awarded by the School, but only after certification by the faculty members from the discipline. The University Press and the Office of Research Services which serve to encourage and facilitate research and publication, along with the University (Research) Computing Center, are other activities outside the instructional program.

The Graduate School contributes to the instructional program by providing general supervision of all graduate programs. During the year some changes in degree programs were worked out. The Master in Environmental Engineering (M.Env.E.) was eliminated by mutual agreement among the Graduate School, the School of Engineering, and the Department of Civil Engineering; the only Environmental Engineering degree now offered by the University is the Master of Science in Environmental Engineering (M.S.Env.E.). The Master of Science in Electrical Engineering (M.S.E.E.) has been broadened to Master of Science in Electrical and Computer Engineering (M.S.E.C.E.) to reflect the content of the program and in accordance with the change in the name of the sponsoring department. Ph.D. and M.S. programs in Food Science and Technology and in Nutrition and Food were combined into single graduate programs in Food Science and Nutrition. Separate M.S. programs in Statistics (Department of Mathematics and Statistics) and in Wood Technology (Department of Forestry) have been eliminated, although options in the respective areas will continue to be available within the two departments. No new graduate programs were initiated.

This year has seen another sharp rise (35%) in the total number of graduate degrees awarded (see Table 1). The rise in the number of Master's degrees awarded (33%) roughly follows the admissions curve of two years earlier. However, many doctoral candidates who would normally have taken May, 1972, degrees, chose to continue their dissertation work into the summer and received September degrees. This accounts for the 11% decrease in doctorates granted in 1971-72 and the 42% increase in 1973.

The very high number of inquiries regarding graduate studies remained approximately the same this year as last (35,000), but there was a small drop (7.5%) in the number of applications filed (14,600 - 13,500). This is believed to have been due to the more restrictive limits placed on admissions to all

programs and the consequent discouragement of applications. Applications nevertheless continue to exceed by far the number of places available under new enrollment ceilings. As a result of careful monitoring of admissions, total graduate enrollment dropped by a small amount (3.3%), but is still somewhat in excess of budget figure.

During the year several organizational changes have been worked out although most of them will not become effective until next year. Their aim is to increase the liason between the Graduate School and the Provost's Office. The title Dean of the Graduate School will be replaced by Associate Provost and Dean of the Graduate School. The Research Computing Center will join the Administrative Data Processing unit to form the University Computing Centers which will report directly to the Chancellor. The interdisciplinary instructional programs will be moving to join one of the other schools or colleges. The Teaching Improvement Program (TIP), established by the Graduate School three years ago as an aid to teaching for Teaching Assistants, will be combined administratively with the Office of Teacher Evaluation and Improvement in the Provost's Office. The TIP services have been used increasingly over the last three years by TAs and faculty alike.

The review of the status of all graduate programs, commissioned a year ago by the President and Chancellor's offices, has been carried on through the present year in extensive communications between the Graduate Dean and the Deans of the Schools and Colleges, Department Heads and Graduate Program Directors. Many departments had been undergoing rigorous self-examination and were and are in the process of change. Others have been inspired to change by the facts brought out in the reviews. The impetus and encouragement provided by the Graduate Program Review appears to have catalyzed many hard but necessary decisions by these departments and others throughout the Graduate School that previously had been postponed for lack of incentive. Although some significant changes have taken place and will be implemented in the next year as a result of the review, the processes set in motion must be expected to take time to be accomplished.

Press Review

The continuing program of periodic review of units reporting to the Graduate Dean brought an external committee of four university press directors to examine and review the status of the University Press operation. A report from that committee was received in the early Fall of 1972, and was subsequently reviewed in the offices of the Dean and the Provost and by the University Press Committee, each of which also reviewed the Press operation independently. As a consequence of these reviews, recommendations are being implemented for establishment of a Press Board of Governors, to include senior University faculty, administrative personnel, and external representatives of the publishing world. The post of Associate Press Director for Business Affairs is being created to provide a more efficient business management for the Press and to provide more coordinated services to other University sponsored publishing activities.

Computer and Information Science

This year continued to be a year of active growth, and of continual improvement in our teaching programs at all levels.

While still not offering an undergraduate major, we extensively revised our undergraduate program; set up a Computer Concepts Facility; appointed Dr. J.A.N. Lee Director of Undergraduate Studies to supervise the increasing number of BDIC students interested in Computer Science (15 were enrolled in Fiscal 1973), as well as to direct our planning over the next two years to determine whether or not we should offer an undergraduate major after we take up our new residence in the Faculty of Natural Science and Mathematics. We also increased our collaboration with such departments as Electrical and Computer Engineering, and Mathematics, to determine better ways of serving students in those departments who have a strong interest in computers.

At the graduate level, we also reorganized our courses somewhat and revised our core course requirements -- we now require all Master's candidates to take the courses COINS 601 - Fundamentals of Computation, COINS 602 - Fundamentals of Computers, and COINS 603 - Fundamentals of Cybernetics -- to ensure that all our students have a basic vocabulary in the complete range of disciplines offered by the department. These core courses provide the basic repetoire of concepts on which our Ph.D. Qualifying Examination is based. Twenty students completed their Master's degree with us this year, compared to the figure of 3 for the preceding year. Our replacement of the thesis requirement by a project requirement seems to be working well, providing students with a flexible experience which can serve either as the basis for Ph.D. work, or as hard-headed preparation for industrial work, or a wide range of options in between.

This was an active year in research. Our faculty have contributed to our growing international reputation during the past year through various trips abroad, in addition to the numerous conferences and seminars attended in the U.S. In the special issue of the Communications of the Association for Computing Machinery which marked the 25th Anniversary of the ACM, only four universities were honored by being invited to contribute more than one of the invited papers; we were one of those four. We have also been actively continuing our presentation of seminars by guest lecturers (from as far away as Tokyo) offering more than 30 seminars on a variety of topics, in addition to a one-day seminar on The Semantics of Programming Languages, a series of seminars on Computational Embryology, and a two-day "Programming Languages Festival," with guest speakers, and people in attendance, both from within and outside the University.

Our primary goal for the COINS laboratory was further integration of the computing equipment into the COINS curriculum. Having bolstered the individual laboratory machines with supporting input/output equipment, we processed more students and more courses during the year to enable students at all levels to use and program operating computers in "hands-on" mode. However, the capabilities of the current system have been stretched to the utmost, and further equipment and personnel will be required in future. In any case, students

have completed significant projects and have become prepared to carry-on further work both on an industrial and a research level.

New developments for the laboratory include studies in microprogramming and computer architecture, and large and sophisticated arti icial intelligence projects. Both developments will require significant resources such as special-purpose computer hardware and experienced personnel to help direct these projects.

New space was added to provide a resource center and learning experience facility for computer and mathematics related undergraduate courses. The faculty of COINS, in looking at the overall structure and content of their courses, has come down heavily on the side of teaching general concepts to augment material tied to today's computers, and many courses have been revised to conform with these precepts, though the subjects of study remain essentially unchanged. At the undergraduate level Computer Concepts Facility is a laboratory to reinforce such concepts of computer science other than programming today's computers. The facility is stocked with displays which were developed by students, including a large scale flip-flop constructed from polarized glass, several logical devices and many other displays.

Marine Sciences Program

During 1972-73 the Marine Sciences Program underwent an intensive review by the Graduate School administration and the Provost's Office. In the reorganization of the Graduate School multidisciplinary academi programs would be formed within the Graduate School and move to the appropriate school or college when mature. The two questions that must be answered are, (1) is the Marine Sciences Program sufficiently mature to be moved and, (2) if so, what is the appropriate location within the academic structure of the University? These questions have not yet been answered. The Marine Sciences Program has a new main office, it being Goessmann 101, with an adjoining secretarial office. The new office will be used as the focus for the Program with specialized library facilities and a seminar room.

Polymer Science & Engineering Program

This year we moved into our new facilities in the Graduate Research Center and enlarged our space considerably. We received a Materials Research Laboratory grant from the National Science Foundation in the amount of $225,000 for the support of a Materials Research Laboratory specializing in polymers. In March, 1973, we had 41 graduate students enrolled as PSE majors and 26 others (post-doctorals, visiting scientists, etc.) as members of our group. The members of the staff received research support from government and foundation sources of between $600,000 and $700,000. This year the industrial support increased from $75,000 to $90,000.

University Computing Center

The University Computing Center carries out many projects in the course of a year. As a service function these projects are in support of projects in other departments of the University. Listed here are only a sample representing only the largest projects and those having impact on a large part of the University community:

a) Expansion of Time-Sharing to 96 ports
b) Providing for terminal devices with various speeds (up to 480 characters per second)
c) Adding the languages SLUSH, LISP and COMPASS to the time-sharing system
d) Adding SNOBOL to the batch system
e) Improved version of APL providing file access
f) UMass Boston and Worcester time-sharing access
g) Communicating system development

In all, 49 projects were completed for the academic community by the Computer Center staff; most projects were accomplished by users.

The rapid expansion of the service of the University Computer Center is reflected in the table below.

	1970-71	1971-72	1972-73
Total Number of Accounts	975	1,382	1,620
Departments Served	63	97	127
Student Users/Semester	3,925	4,660	4,915
Faculty Users	607	725	775
Total Jobs Run	1,571,850	2,192,100	2,809,250

Research Administration and Services

The office within the Graduate School responsible for research administration is staffed on a full-time basis by the Associate Graduate Dean for Research, a secretary and a special assistant (programmer). The major activities of this office include:

(a) Assisting faculty members in obtaining support from outside agencies for research and educational projects,
(b) Management of submitted proposals,

(c) Management of internal funds for research,
(d) Consultation on research policies of the university, and
(e) Management of information system on sponsored projects through preparation of "Annual Report for Sponsored Activities" and responding to requests about research activities.

The Office of Research Services consists of three major components: (1) the Glass Shop, (2) the Microanalytical Chemistry Laboratory and (3) the Electronics Laboratory. The Glass Shop continues to service researchers needing specialized equipment. This shop fabricates instruments made of glass for investigators in the Faculty of Natural Sciences & Mathematics, the School of Engineering and the College of Food and Natural Resources. There is a graduate level course in glass working, which was well received. A part of this course is a video tape demonstrating various glass working techniques. The Microanalytical Chemistry Laboratory has continued to provide routine elemental analyses of chemical compounds.and has even performed mineral analyses for archeological soil samples from the Department of Anthropology. The Electronics Laboratory has serviced researchers requiring assistance in the design and fabrication of electronic equipment.

University of Massachusetts Press

Both the level of activity during this year and the growth in recent years are shown in these figures:

	1970-71	1971-72	1972-73
Titles Published	11	15	20
Books Distributed	18,000	25,768	32,102

An External Review Committee appointed by the Dean of the Graduate School met with members of the staff, administration, and Press Committee in August. Their report, submitted in October, recommended that the University provide increased support to the Press, that Press management be revised, that Press runs be reduced, and that a Financial Board be appointed. The Press Committee, in meetings on October 30, November 13 and 19, reviewed the Consultants'report and a subcommittee submitted a report approved at the January 4, 1973 meeting, which recommended to the Dean that the University continue its support of the Press, that a business manager be appointed, that the present Press direction be retained at this time, and that the relationship between the Press and the University be restructured, with a more balanced editorial committee and appointment of a Financial Board. A final draft of recommendations for partial reorganization of the Press is currently being prepared.

Press publications once again won honors. Of special note was the nomination of Conjure, by Ishmael Reed, originally selected by the Poetry Board of the Press, for the National Book Award in Poetry. Press publications designed

and produced by the staff were again singled out for their quality. Many press titles received outstanding review notice.

Water Resources Research Center

The Director taught two graduate seminars and cooperated in presenting a Civil Engineering course at the advanced undergraduate-graduate level. The Center conducted, administered or otherwise supported 22 projects by 20 principal investigators with a total funding for the report year of over $180,000.

Marine Station

The major concern of this laboratory lies in obtaining information on the biochemical activities of the first members of the marine food web, the so-called primary producers. The research activities of the members of the staff involve measurements of photosynthesis, respiration and chemical measurements of biochemical substances such as phosphate and nitrogen, as well as certain organic compounds. Philosophically, our main goal is to attempt to arrive at a situation whereby prediction coupled with understanding will provide us a means of quantitative analysis of growth in the marine environment.

Much of our research activities spill over into the more applied aspects of environmental quality and aquaculture. Still the ultimate concern of all of these studies is how to predict and induce events in the marine environment which are beneficial; and to identify and control those that are harmful.

The Summer Science Enrichment Program initiated by Clarice Yentsch continues in both Gloucester and Rockport. The objective is to increase awareness of the use and misuse of the Atlantic tidewater areas. Rockport High School and the Marine Station co-sponsor a marine science research program. The course is an ongoing series of intensive field studies. At the university undergraduate and graduate level, courses are offered through the Division of Continuing Education.

PROVOST'S OFFICE

This year witnessed the substantial increase and new authorization of special programs seeking to more substantially involve campus activities in the following areas: (1) providing a wider variety of genuine educational options for both students and faculty; (2) increasing access to university resources of so-called non-traditional students; and (3) bringing resources of the university (chiefly faculty and students) to bear more effectively on social and educational problems outside the campus.

Significant steps in these directions were made by the following programs: (1) In its first year of officially authorized status, the University Without Walls program enrolled over 100 non-traditional students, a majority of whom were women and over one-third minority; (2) the Bachelor's Degree with Individual Concentration program more than doubled its number of interdisciplinary majors to approximately 350 and made major advances as an academic program development arm of the campus (an undergraduate major in legal studies, spawned under BDIC, received official approval as a new program); (3) a new OUTREACH office was established to locate field assignments and facilitate student internships under the aegis of academic departments. Over 1000 undergraduates are now in off campus programs and many more pursue part-time assignments off campus for academic credit; the University Year for Action program, which is federally supported, alone places over 100 students in full time, full-year positions with anti-poverty agencies; (4) Project 10, serving 300 students, and the Colloquia program, involving several thousand students, entered their first year under new Faculty Senate authorization as experimental residential academic programs; (5) A new office of International Studies was created to coordinate and buttress efforts in area studies, particularly in encouraging thrusts to serve a larger community off-campus; and (6) Everywoman's Center emerged to serve needs of women seeking new options, particularly those in higher education. In addition, the Honors program received a new mandate, the Institute for Man and His Environment, began to expand its program and planning, a special committee began to organize an office and support system for campus-wide Teacher Evaluation and Improvement (also to evaluate applications for a new program of teacher growth grants), and Continuing Education implemented a bachelors degree program for part-time students as well as serving double the number of registrants as a year before.

In brief, without cataloging all programs and units under the Provost's Office, major invigoration proceeded for special programs attempting to employ university resources for larger public purposes and wider educational options.

In addition, some special programs such as UWW and BDIC have become significant research and development centers for new academic programs (such as legal studies and computer sciences) and different educational approaches (such as developing processes for crediting prior learning.

LABOR RELATIONS AND RESEARCH CENTER

The Labor Relations and Research Center has been existing on this campus for eight years. During that time, it has developed a national reputation reflected in part by the success and reputation of our alumni, has funded and encourged significant research, has provided research and counselling services to the labor and academic communities and has contributed significant services to federal, state and municipal governments and to other divisions of the University. It combines academic responsibilities with administrative duties, utilizes an interdisciplinary faculty already on campus and produces quality education that has been translated into educational progress and professional expertise.

In justifying programs, one must look at several criteria; but the overall criterion should be the nature of the education--professional with high academic standards--and how it is used. We believe that we have done all that can be expected from one of the best (we think the best) programs in America. During the recent recession, with the job market for graduate students severely limited, demand for LRRC graduates remained high. Their ability to obtain and advance in jobs, at professional levels, is but one standard to be considered.

The overall program includes:

(1) Graduate education (32 full time students and three part-timers) with internships (8-12 weeks) and field work for all students.

(2) A first rate research library which services the state as well as the various parts of the university.

(3) Four three credit courses given outside the department (two at Orchard Hill, one in Hotel Restaurant and one in the Westover program).

(4) 12-18 special seminars of between one to three hours in length in departments as wide-ranging as Nursing and Engineering, Air Force ROTC and Floriculture, Education and Speech.

(5) Resources for the campus in the area of academic and practical labor relations, as well as participation in many campus, university and state and national programs such as the International Role of the University in the 70's conference, the two Economic Development Conferences, the Pre-Retirement Conference, the Training of Neophyte Factfinders Conferences, etc.

(6) A film library with wide distribution to unions, schools, public organizations, etc.

(7) A reprint series where we distribute significant articles written by University faculty, many resulting from funding by the Center of faculty research, to labor, political, academic and community leaders.

(8) Research assistance by students to faculty in other departments.

(9) A colloquia series that has brought nationally known figures in the Labor Relations field to the Center and campus.

(10) Major research and demonstration projects such as the OEO Leadership Training ($600,000), the Administration on Pre-Retirement Project ($80,000), the Juvenile Deliquency Project ($143,000) and a variety of Manpower projects.

PUBLIC HEALTH

The Department of Public Health has continued to grow in both students and faculty. Eight new courses were approved during the year: Public Health and the Environment; Chronic Disease Epidemiology; Communicable Disease Epidemiology; Research Methods in Community Health Education; Health Program Evaluation; Social Epidemiology; Advanced Statistical Methods and Applications in Biometric Research; and Topics in Radiation Protection.

Two training courses in Principles of Health Agency Administration were offered in January, 1973, in cooperation with the Communicable Disease Center, U.S. Public Health Service.

A week-long student-faculty workshop was held during the January intersession. This permitted a comprehensive review of all departmental programs and a plan for future development.

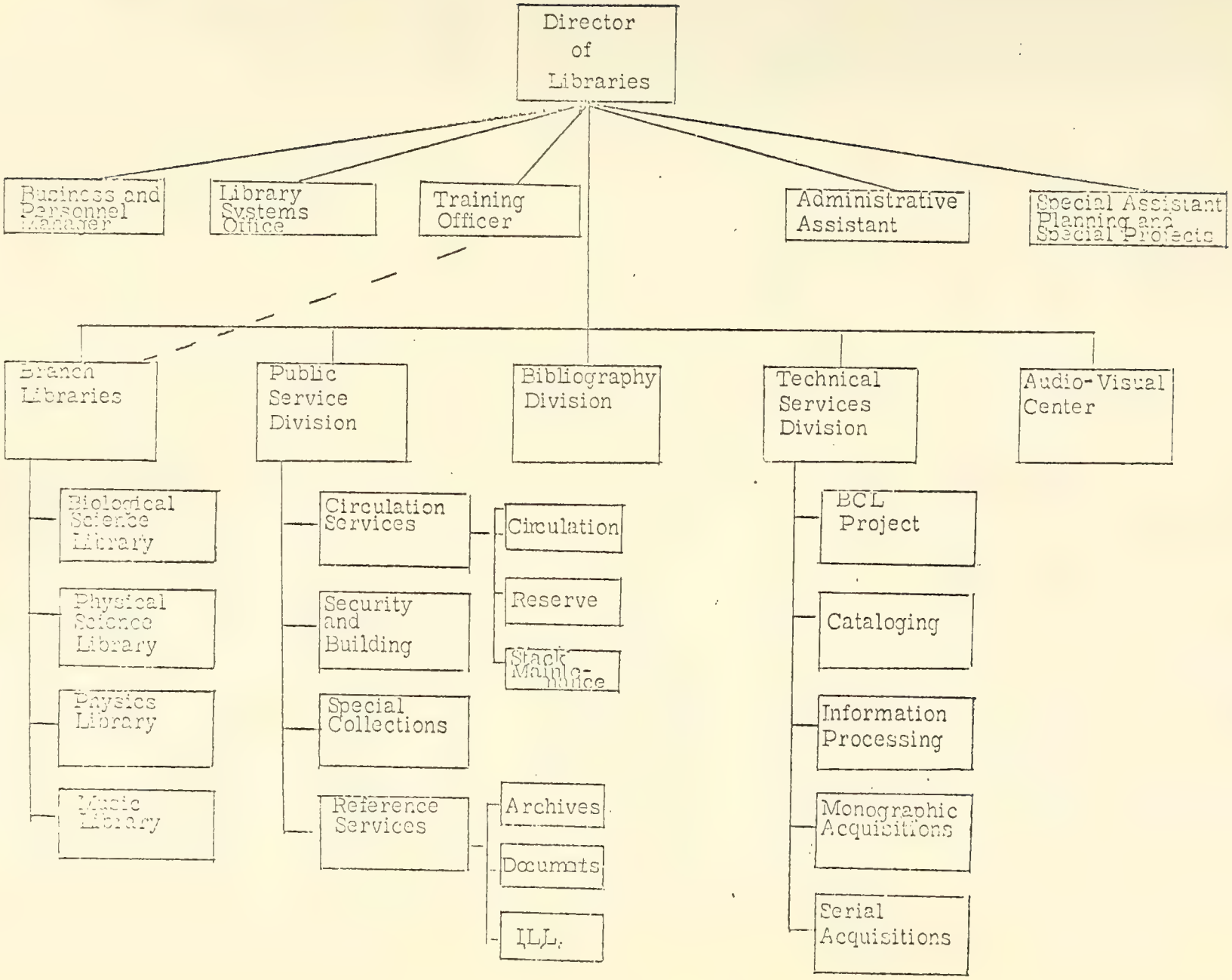
Faculty and graduate student research activities have continued to increase during the past year.

UNIVERSITY LIBRARIES

The organization of the libraries is shown by the chart on the following page, and the composition of the staff is detailed below.

STAFFING STATISTICS

	Male		Female		Total
	Minority	Non-Minority	Minority	Non-Minority	
Librarian I				8	8
Librarian II		7		8	15
Librarian III	1	8		8	17
Librarian IV		5		7	12
Librarian V		5			5
TOTAL	1	25		31	57
Grade 3		1	3	10	14
Grade 5				6	6
Grade 6		2		10	12
Grade 7		9	1	25	35
Grade 8		1			1
Grade 9		5		18	23
Grade 10		2			2
Grade 11		6		12	18
TOTAL		26	4	81	111
TOTAL STAFF	1	51	4	112	168


Director of Libraries
Business and Personnel Manager
Library Systems Office
Training Officer
Administrative Assistant
Special Assistant Planning and Special Projects
Branch Libraries
Public Service Division
Bibliography Division
Technical Services Division
Audio-Visual Center
Biological Science Library
Physical Science Library
Physics Library
Music Library
Circulation Services
Security and Building
Special Collections
Reference Services
Circulation
Reserve
Stack Maintenance
Archives
Documents
ILL.
BCL Project
Cataloging
Information Processing
Monographic Acquisitions
Serial Acquisitions

The big event of the year for the Library was the transfer of activities into the new building. The move of collections from Goodell began on May 24 and was completed within three weeks. The Library was open for service on June 26, 1973. Although there are a number of minor problems, the new building appears to be in good physical condition. We are experiencing problems with balancing the air conditioning and adjusting the elevators, but we anticipated them.

The branch libraries whose services are maintained entirely by the University Library are: Physical Sciences Library, Biological Sciences Library (Morrill), Music Library (non-book materials), and Physics Library. Departmental reading rooms in which the University Library maintains limited collections but no staff are: Agricultural Engineering, Business Administration, Entomology, Food Science and Technology, Forestry, Home Economics, Landscape Architecture, Plant and Soil Sciences, and Veterinary Science.

The Physical Sciences Library is a four-floor facility. In September, 1972, the top two floors were occupied by the Physical Sciences Library, the first floor by the Education Library, and the basement by books in the sciences moved from Goodell to alleviate overcrowding there. In May, 1973, the collections on the bottom two floors were merged into the tower collections, the basement was occupied by the Hampshire Inter-Library Center (HILC), and the Physical Sciences Library expanded onto the first floor.

The Biological Sciences Library (Morrill) is severely overcrowded. Last year Room 212 was made available to the Library for additional reader space, and this has been occupied. This year we are consulting with the faculty concerned to determine whether some of the collections can be moved to the Physical Sciences Library or to the University Library, but these measures are palliatives. Real relief of space pressure in the current context can be provided only by the completion of Morrill V, with its library wing.

The Music Library was scheduled to be reduced to a non-book facility when the Fine Arts building is completed. In accordance with this plan, the books from this Library were moved from the Chapel to the tower. Records and scores will continue to be maintained in the Chapel.

The Physics Library is scheduled to be merged into the Physical Sciences Library when the Physics Department moves into the Graduate Research Center. Some faculty members outside the Physics Department have complained that this is too long a delay. A meeting will be held with interested parties in an effort to reconcile differences.

At the current rate of acquisition, the Library system will experience a critical need for shelving space in about five years. This need can be almost indefinitely deferred in the tower building if the basement and the two omitted floors are completed. Seating space for users has tripled from 1,000 to 3,000 with the opening of the new Library. But this number is still two or three thousand less than what is considered an optimum figure.

On June 30, 1973, the Library had 1,502,000 units (books, microfilms, and periodicals) in its collections. 125,347 units were added during the year (see Appendex A). According to the Washington State model budgetary formula,

the Library should have 2,036,000 units, and it should be adding 65,000 units a year. The Washington formula is the latest and most complete of a number of essentially comparative formulas which are based on assigning a minimum number of volumes for certain factors such as number of students, number of doctoral programs, etc.

In general, we are attempting to maintain our All Books Current program. This means that we attempt to acquire all books of scholarly interest which pertain to the University's educational or training programs. The cost of this is about $300,000 per year. The longer we maintain the program, the less we feel the lack of retrospective purchasing. Retrospective purchasing is important, especially in the humanities and social sciences, but under most circumstances it must take second place to current purchases of monographs and renewals of periodicals.

It is fair to say that Audio-Visual services have been a step-child on this campus. Improvement will cost money, and no dramatic changes are likely to occur over night. However, the Library is working on a policy statement delimiting the Library's responsibilities. Fundamentally, we think that the Library should be an information center, dispensing information in whatever media it is captured. All types of media should be integrated into a centralized information service. The creation of software, films, etc., is, however, another matter which should be handled elsewhere. Greater emphasis must be placed on audio-visual materials. Use of audio or video cassettes and the machines to use them is becoming commonplace. In a few years, one may expect to borrow them from a library much as one borrows a book now.

CIRCULATION STATISTICS
1972-73

Number of Days Open	311
Circulation Totals	
A. Circulation Desk	235,296
B. Reserve Desk	208,555
C. Periodical Room	6,863
GRAND TOTAL	450,714
Average Month	37,559
Average Day	1,449
Library Usage	619,950
Average Month	51,662
Average Day	1,993
Highest Day	5,058
Circulation Desk	
Number of books borrowed by	
1. Undergraduates	114,308
2. Graduates	80,747
3. Faculty	27,298
4. Other	12,943
TOTAL	235,296
Average Month	19,608
Average Day	756
Reserve Desk	
Number of books borrowed	208,555
Average Month	17,380
Average Day	670
Periodicals borrowed by	
1. Faculty	4,042
2. Students	2,821
TOTAL	6,863
Average Month	571
Average Day	22

STATISTICS OF THE COLLECTION

Library Materials		June, 1973
Books	757,449	
Periodicals, bound	191,124	
TOTAL CATALOGED VOLUMES	948,573	
Documents	237,633	
Technical Reports	12,381	
Curriculum Guides	1,362	
Geological Surveys	1,877	
Phonograph Records	3,222	
Music Scores	543	
Total Other Items	257,018	
TOTAL VOLUMES		1,205,591
Reels Microfilm	52,734	
Microcards	3,652	
Microprint	4,695	
Microfiche	189,473	
Total Microtext	250,554	
Maps	46,732	
TOTAL COLLECTION		1,502,877

ALUMNI

The primary mission of the Alumni and Development Office is to reinvolve our 50,000 alumni with the University. For a number of years there has been little involvement beyond reunions and sports events. This year we began the process of reinvolvement through such activities as educational seminars, stronger area activities with far greater alumni attendance than in the past, and bringing alumni back to campus for such activities as advising students on careers. We have also established, at no cost to the University, an expanded alumni travel program and a new alumni life insurance program. Response to these programs has been most encouraging.

At the same time, we have undertaken a major effort to increase alumni giving through a large-scale telephone campaign and through special efforts to enlarge the number of $100 givers. While the final dollar result is still guesswork at this point, the results have been encouraging. We have already far surpassed our goal of doubling the number of $100 givers. And the phonothon in its fourth week of six has already tripled the amount contributed by alumni in the Greater Boston area.

Because of the success of our experimental programs this year, next year's thrust will be to expand and consolidate them rather than moving much into new areas. We will, however, try a few more experimental programs, especially for students and young alumni, so that we will have some tested pilot programs to build on.

UNIVERSITY COMPUTER SERVICES

During the year the University (Research) Computer Center was merged with Administrative Data Processing to form the UniversityyComputer Services. The purpose was to secure greater coordination of activities and thereby more effective use of both units. The activities of the former are elaborated in the Graduate School section, which was the administrative home at the start of the year. Similarly, Automatic Data Processing is to be found with Administrative Services.

Administrative Data Processing

This computer facility carries out the regular routines of operation, student records, payroll, accounting reports, etc. In addition to these and many other routine services, the unit effected a number of major new or revised systems for these routine operations including (a) OSCAR, the improved student records and registration system, (b) a new accounting system for State Funds, (c) the new grading system, and (d) the modular credit system for the School of Education.

OFFICE OF VICE CHANCELLOR FOR STUDENT AFFAIRS

FY 1973 has served both as a major planning period and a period during which initial implementation of new major performance and organizational goas was begun within the Student Affairs Division. The Office of the Vice Chancellor for Student Affairs has had the responsibility for providing the leadership necessary to facilitate the upgrading of the overall quality of the services provided by Student Affairs. Student Affairs agencies are, in turn, responsbile for providing a range of support services for the University undergraduate and graduate population. These support services include, among others, counseling, career planning, health services, dormitory management, and campus security. Specifically, the energies of the Vice Chancellor's Office have most dynamically been invested in the following major areas:

1. Consistent with the emerging University priority for program and staff performance accountability, much energy has been directed during FY '73 toward: (1) the improvement of the reliability and quality of our professional staff performance evaluation process; and (2) the development and implementation of an effective system of program evaluation within Student Affairs. Progress has been made on each front. A new professional staff annual evaluation form has been formulated and the staff evaluation process has been restructured so as to reflect an on-going process of professional growth. The first phase of program evaluation, which has entailed systematic documentation of goals and objectives by all Student Affairs departments, has been completed and departments will soon be involved in developing specific evaluation instruments related to measuring the achievements of their program goals.

2. To date, a wide range of communication problems have existed in Student Affairs varying from the transfer of basic information to the Amherst campus community; to communication between staff members and offices; to the communication between Student Affairs staff and the Vice Chancellor. Responding to this problem area, the Vice Chancellor's Office began this year to systematically diagnose the different aspects/components of the Division's communication needs. The result of the diagnosis has been the development of a strategy for eliminating the existing communication gaps which involves a step-by-step approach to the problem. Implementation of the first phase of the strategy which focuses on internal staff communications has already begun with the launching of the Student Affairs Newsletter along with other initiatives not here specified.

3. Consistent with the overall mandate of the University, a great deal of effort has been applied this year by Student Affairs toward the implementation of Affirmative Action within the Division. Under the leadership of the Vice Chancellor's Office, Affirmative Action plans and initiatives have been developed by all departments in

Student Affairs which focus on creating equal opportunities for minorities and women in hiring, admissions, and acquisition of University supportive services capable of addressing specific needs. A clear indication of the progress we have been able to make thus far in the area of Affirmative Action is the fact that we have hired 9 additional female and 12 additional minority professional staff members. This accomplishment is especially significant in view of the fact that Student Affairs was budgeted no new profes sional positions.

4. As a requisite to effectively implementing many of the goals developed in Student Affairs this year directed at improving the overall quality of service delivery, organization and staff changes have been effectuated. These changes most specifically have been directed toward facilitating Student Affairs developmental goals in areas such as: (1) providing greater input for students into decision-making; (2) developing more effective outreach strategies for delivery of supportive services; (3) instituting a staff in-service training program; (4) initiating an effective research and data collection program; and (5) providing an improved information system for students. To date, organization and staff changes involving the Vice Chancellor's Office, the Dean of Students Office, the Office of Community Development and Human Relations, and the residential areas have had tangible positive impact upon the achievement of the aforementioned goal areas.

ADMISSIONS, RECORDS, FINANCIAL AID, TRANSFER AFFAIRS

The offices of Admissions, Records, Financial Aid, and Transfer Affairs are a service function. Although students are the primary concern, these offices do provide important services to the academic community, governmental agencies at the state and federal levels, secondary schools, community colleges, industry, foundations, and the general public.

Freshman Admissions

During Fiscal 1973, this office processed approximately 16,250 freshman and 1,150 returning student applications for January and September entrance. Target numbers were met for the overall, but the ratio of men to women was still slightly higher than budgeted. School visitations were accomplished in the fall to one half of the secondary schools in the state. News letters were sent in fall and spring updating the secondary schools on the University's programs. Members of the staff participated in a number of college nights and other professional activities throughout the state. Two surveys were sent out this year. One, a random sample of accepted women candidates for September, 1973, surveyed their reasons for holding their acceptance until May 1st. The results were tabulated and distributed to the appropriate campus areas. A current survey of all secondary school counselors is now under way as an in-depth study of needs and problems.

Records

During the fiscal year 1973 three separate registrations were conducted--summer, fall, and spring. The summer session enrolled 2,544 students, the fall and spring senesters enrolled an average of approximately 17,500 students. A major highlight of this year's registration was the inception of a new pre-registration system (OSCAR) and a revised format for registration days as well as a new system for processing course changes. During the fall semester these new systems experienced some de-bugging problems. However, after one semester's experience, the spring semester was much smoother and these new systems are functioning very effectively and smoothly. During the spring semester a system was developed and implemented to attempt to accurately report students involved in off-campus programs. This has begun as an off-shoot of pre-registration, and it is still too soon to assess the relative success of this new venture. Fiscal 1973 also saw greater usage and utilization made of tele-processing techniques. Approximately 130,000 inquiries and validations were processed. This system is working exceptionally well and has proven to be most effective. A new procedure was developed for processing grade corrections. This system is still not perfect, but is a considerable improvement over the previous completely manual system.

In the Records Office the process of maintaining permanent academic record cards and subsequent transcripts was examined very closely. As a result of the review of this procedure, a decision was made to modify and streamline our present system rather than proceed with developing an on-line computer system. In conjunction with working with the administrative data processing unit, a new format is being developed for constructing and maintaining the Registrar's Annual Administrative Data Processing Work Request Book (Blue Book).

Transfer Affairs

This office became a separate entity at the start of the year. It is pleased to report these achievements:

1. Processed approximately 7000 transfer applications, and enrolled ap roximately 2000 transfer students. Made strong effort to comply with affirmative action program by equating male/female enrollment ratio: raised acceptance of total women's transfer application pool from 42.4% in 1972 to 57.7% in 1973; enrollment of females for 1972 was 40.2% of all transfers enrolling, and currently for 1973 the enrolled figure for women has risen to 46.0%.

2. Evaluated approximately 5000 individual college transcripts.

3. Made 2000 academic folders for transfer enrollees.

4. Made 2000 permanent record cards.

5. Interviewed hundreds of transfer candidates.

6. Conducted heavy two-year college visitation schedule.

7. Conducted curriculum articulation workshop for two-year and U-Mass personnel in "special programs" area.

8. Developed and presently being published the first "pre-transfer information brochure". Will be ready for Fall distribution.

9. Participating in State-wide Transfer Admissions Data Bank project sponsored by Board of Higher Education.

10. Helped coordinate the transfer summer counseling program in conjunction with the Summer Counseling Office.

11. Liaison with academic departments in specialized curriculum area (Art, Nursing, Music, and Special Programs).

12. Conducted research--two-year follow-up study of 550 community college students who enrolled in 1970. Sent student performance data back to two-year colleges.

13. Evaluation of CLEP and USAFI test scores.

14. Participated in State-wide articulation activities--STAC conference and major involvement in the "Two-Year and Four-Year Statewide Transfer Proposal", currently being implemented in all four-year public colleges in the state.

Financial Aid Office

Due to serious lack of staff the office has been able to perform no more than routine business. This has meant awarding almost $2,000,000 to about 3100 students and maintaining all the required records. Numerous student, parent and other visitations and contact with the office also require large amounts of time. A change in HELP Loan processing now also requires professional staff time, whereas previously this was handled entirely by the clerical staff. (3000 + HELP Loans representing over $3,000,000 were processed during the 72-73 year).

HUMAN SERVICES

To best comprehend the activities and achievements of those Student Affairs agencies comprising Human Services, it is first important to understand the basic mission they have in common. That basic mission is to provide to the campus community (especially students) counseling, advising, consulting, training, and program development services in a range of human development areas such as career development, sex education, and drug education. Strategically, the Human Services agencies have been investing a great amount of their energy in developing a broadened range of outreach vehicles for delivery of services. This initiative has been especially significant in relation to improving service to married students, students residing in dormitories, and students participating in the Amherst campus University Without Walls program. Examples of the activities and accomplishments of Human Services agencies are the following:

Counseling Center:

The Counseling Center is concerned with the application of a psychological/educational model to the personal development of students at the University. It influences student development through the interaction of Center staff and counselors-in-training with students around personal learning and psychologically-related tasks, through its new student programs and its community psychology programs, through its research and counselor training programs it develops with other departments, and through its testing and data processing support services. Some examples of Center activities, other than the direct personal counseling activities of the Center's staff are:

a. provide training and supervision for student para-professionals such as the student peer-counselors functioning in resident halls;

b. administer a counselor intern training program for University graduate students;

c. develop and implement a Summer Counseling Program for first year University students (administers Freshman Orientation Program);

d. participate in developing an experimental undergraduate human services educational project in the University B.D.I.C. program;

e. collaborate with the CCEBS Program and Everywoman's Center to provide additional counseling support services to minority and female students;

f. initiate a year-long action research project (Project Cohort) aimed at assessing the tensions, anxieties, and uncertainties that plague most freshmen during their first year in a large university. Also, the study hopes to be able to determine whether anticipatory guidance would be useful in reducing these uncertainties;

g. provide placement testing to assist University students in their selection of appropriate courses and/or course levels. These tests are administered during the Summer Counseling Program and during the first ten days of classes each semester;

h. provide testing services for the University Personnel Office in which skills and abilities of non-professional applicants are assessed.

Career Planning & Placement Office:

This service is made available to assist undergraduate and graduate students, as well as alumni, in formulating and pursuing short and long range career objectives. The service includes personal and group counseling, assisting registrants in the planning of job campaigns, acting as an official source for references and complete credentials, providing centralized coordination for on-campus student/employer information and personal interviews, being a referral agent for interim work experience during full/part-time study, processing assistance in teacher certification application preparation, maintaining a resource library for career planning and graduate study, and offering resource personnel for in-service assistance to campus departments, individual faculty members, and student organizations.

The following statistical data gives a very clear indication of the volume of direct service to students supplied by Career Planning & Placement:

[Numbers indicate activity in Career Planning & Placement Service through February, 1973]

Class Enrollment

No. of Seniors, Class of 1973	4574
No. of Graduate Students	3379

Enrollment with Career Planning & Placement Service

No. of Seniors Registered with Placement Service	1725
No. of Grads Registered with Placement Service	900

Credential Requests

Credentials mailed 1973 (prior to March 1)

July	656	November	888	
August	864	December	909	
September	396	January	1181	
October	257	February	1857	TOTAL.....7008

Counseling, Telephone, and Mail Statistics

Prof. Counseling Appointments	1,310
Prof. Counseling Walk-Ins	520
Prof. Telephone Calls Received	5,000
Prof. Telephone Calls Made	3,800
Pieces of Mail Received	40-50,000
Pieces of Mail Sent	15-20,000

In addition to the above, Career Planning & Placement has been actively involved this year in formulating a comprehensive career development program and has developed a proposal for implementation of such a program this coming year.

Room To Move:

Room To Move is an agency representing a student-run drop-in counseling center. During the year, the Drop-In Center has responded very effectively to a variety of student problems resulting from bad drug trips, run-away youths, court referrals, barbiturate problems, and more serious emotional problems.

In addition to its Drop-In Center activities, Room To Move staff have also instituted this year a drug education team to work with dorm counselors and students within the residence hall system. With the addition of a minority staff member, the Center has also expanded greatly its work with the minority community.

Office of Community Development and Human Relations:

CDHR is perhaps the most unique among the services included in the Student Affairs Division. The primary mission of CDHR is to serve as an internal consultant to Student Affairs departments and staff in the areas of organizational development and development of institutional change strategies. Included in this mission is also a major responsibility for assisting the Division in diagnosing and constructively eliminating any forms of institutional racism which may actualize in the operations of Student Affairs. Its work this past year has, among other activities, included staff training and organization diagnostic work with residence hall staff, Everywoman's Center, University Department of Public Safety, and the Athletic Department.

Of special significance has been CDHR's activities in conjunction with the Massachusetts Department of Corrections. Specifically, CDHR has been involved this year in developing and implementing a human relations training program for the correction guards of the Concord Reformatory.

Environmental Health & Safety Unit:

This unit has been throughout the year charged with the responsibility for maintaining an environmental health surveillance program for the Amherst campus. Included in the range of their activities are:

a. providing a radiation protection program;

b. conducting water, milk, and food sampling;

c. investigating accidents of students and employees where such investigations can lead to improved environmental and safety measures;

d. inspecting of University buildings, grounds, walkways, roads, and other areas in order to make recommendations for corrections if safety or fire hazards exist;

e. inspecting and servicing the fire extinguishers and fire alarm apparatus in each academic and residential building on campus.

In addition to its other activities, this unit devotes considerable time during the year working with University staffs and students on a wide range of environmental concerns and problems.

PUBLIC SAFETY

The Department of Public Safety is charged with providing basic law enforcement services for the University of Massachusetts, Amherst campus community. This mission is accomplished by some knowledge of the desires and expectations of persons in this community. The Department perceives itself most effectively accomplishing its mission through the use of discretion, common sense, planning, and self-restraint; enlightened and professional responses to the broad range of situations arising within the University community which require the application of law enforcement expertise.

Consistent with the above mission, the Department has, during FY '73, invested the most significant amount of its energy in improving the internal management of the Department--organizational development. Specifically, the activities of the Department may best be viewed through delineation of the following two Department goals and related objectives:

I. Goal
To improve the quality and effectiveness of the Department's internal personnel performance control mechanisms.

A. Objective: To develop a Department policy and procedures manual.

The Department's planning staff has been engaged throughout the year in developing a manual to be given to all police officers, security guards, and other Department staff members which delineates the job specifications of every position in the Department. In addition, the manual includes all the adopted policies of the Department related to staff deportment in handling persons and a range of specific situations.

B. Objective: To formulate and implement reorganization of the records and reporting system.

During the year the Department has developed two important records and reporting vehicles: (1) the Daily Activity Report; and (2) the Incident Report Form. The Daily Activity Report records each police officer's and security guard's activity during his eight hour tour of duty. The Incident Report Form makes obsolete 17 department report forms and has resulted in more complete descriptions and narratives of called-for services and crime reports.

C. Objective: To develop a citizen complaint program.

As a part of its efforts to develop more communication with the University community, the Department has been working during the semester to develop a systemized vehicle for citizen review of law enforcement staff performance. This program is being developed in conjunction with a proposal for a police advisory group, which is priority among the service improvement goals.

D. Objective: To improve budgetary control systems and procedures.

During the year the Department has been involved in developing improved procedures for making an inventory of the Department's property, vehicle damage, and supplies. Also being implemented is an evaluation of manpower needs for work shift assignments to enable a reduction of overtime expenditures.

II. Goal
To implement management systems and reorganization directed at improving Departmental services.

A. Objective: To improve the University parking system.

A vast amount of the Department's energy has been invested in trying to develop a more effective campus car registration and parking system. This has entailed a survey and study of the present parking system and the development of a more effective alternative system. Reorganization of the parking office has also been a part of this endeavor.

B. Objective: To facilitate the formation of a campus community police advisory council.

The groundwork for this program has been done throughout the year in conjunction with the Undergraduate Student Senate; the functioning of the Council is near implementation.

C. Objective: To implement improved training programs for campus police officers and security guards.

The Department has been able to develop this year a basic police training curriculum for its new officers and graduated its first training class. In addition, approximately 20 hours of in-service training has been provided for police officers and guards stressing interpersonal and human relations, and first aid.

D. Objective: To improve the crime prevention program in campus residence halls.

The most significant aspect of the Department's work in this area has been its development of a property identification program for in-resident students. Approximately 4,000 students have registered 15,000 pieces of property with the Department. This program should both reduce thefts and improve the recovery rate of stolen articles.

E. Objective: To complete implementation of the Department's new police radio system.

While still in need of expansion, the initial phase of the implementation of a new police radio system has been achieved. This new system has overcome many of the deficiencies inherent in the former system.

RESIDENCE HALLS

The Residence Hall Program, serving approximately 11,700 students with a professional staff of 51, continued to emphasize counseling, social, and academic programs in FY '73.

Residence Hall Counselors, approximately one per residence hall corridor, continued to be a major expense. An increase in salary for these counselors ($450 per year plus a $250 tuition waiver) warranted greater productivity, as well as increased emphasis on para-professional in-service training.

Supporting the counseling programs, both in the Residence Halls and generally throughout the University community, were several residence area based Resource Centers and Women's Centers. Both types of centers provided professional and para-professional staff, and a wide range of personal, group, and academic counseling. A second service of these centers was to organize the resources of the University, (i.e., health services, student activities, guidance and counseling, career planning, CASIAC, Room to Move, etc.) within the residence area as supportive services for resident students.

In addition to the above "centers," a Black Cultural Center (Orchard Hill Residential College) and a Center for Racial Understanding (Southwest Residential College) were created to provide services for minority students both on and off campus.

Continuing from FY '72, but growing in numbers of students involved, was the Peer Sex Education Program, a cooperative effort between University Health Services and the Residence Hall Staff/Students, designed to train students to counsel other students in the area of sex education.

Residence hall staff and students played an important role in Freshmen Orientation. Besides presenting to each orientation group a program designed to acquaint incoming students with each residence area, living options, and residence hall life, both staff and students worked with small "counseling" groups and participated in parent's meetings.

In continuing the varied social and cultural events/programs in the residence areas, each of these residence areas eveloped, printed, and disseminated to staff and students, residence area, student-operated newspapers, resulting in better communications, and another open forum for the discussion of ideas, programs, and problems.

Another major expense in the residence halls was the Security Program, designed in cooperation with the University Security Department, which utilized students on a part-time basis, to provide evening/early morning security within individual residence halls.

Besides the two Residential Colleges, designed to incorporate faculty and academic programs and courses, the other three residence areas began to

include as part of the overall residence program, academic colloquim, departmental course offerings, and special accredited/approved course offerings. Many of the colloquims and special courses have been designed by students and staff in the residence areas, and have received academic approval by Faculty Review Boards established in each residence area as required by the Faculty Senate.

STUDENT AFFAIRS

Student Activities Office

The Student Activities Office is composed of two primary operations--Recognized Student Organizations (RSO) and the Program function. The staff has, during the school year, begun working with student groups on most any type of activity or project. Currently, they are assisting social action, governmental, cultural, media, social, recreation, educational and special interest groups. The Student Activities Office Program Advisors provide program resource materials; counsel on program planning, organizational development, and leadership training; advice on program selection and procurement; and cousel on budgeting, purchasing, contracts, and other business procedures. Scheduling of facilities and arrangements for support services such as requests for use of University equipment; requests to Physical Plant for delivery of equipment, set-up, or construction; electrical, custodial, and maintenance services; Campus Center Audio Visual Media support; Campus Center and University Food Services orders; requests for police or security officers, etc. are among other types of assistance the Program Advisors have provided.

The staff of the RSO Office has been available to help students by providing a banking and bookkeeping service and by offering advice on financial and business concerns such as bidding, insurance, budgeting and accounting. Other services have also been arranged through the RSO staff such as office telephones for RSO groups, postage, change banks and cash boxes, roll tickets, ticket sales service, bulk mailing permit, mailboxes for RSO groups, "checkout" telephones for long-distance calls which are charged to the appropriate RSO accounts, and mailing labels (special arrangements necessary for printing of mailing labels).

Housing Office

The Housing Office maintains a responsibility for the supervision of residence hall room assignments, room changes, maintaining the master record of resident and non-resident student local addresses, and coordination of the room deposit system.

Greek Affairs Office

This Office plans and directs all administrative functions for fraternity members and chapters, advises officers and committee chairmen in chapters,

provides individual and group counseling, advises and aids in programming for Greek Council, and acts as a liaison between the University administration and the "Greek" system.

Office of Non-Resident Student Affairs

This office has served as the coordinating agency for all services relating to students not housed in the University Residence Hall System.

During FY '73, the Office of Non-Resident Student Affairs, with the advice of the Commuter Assembly and from input received from non-resident students and married students, was reshaped to provide broader, more complete and appropriate services to non-resident students--Resource Center for Non-Resident Students.

Office of Veterans Affairs

The Veterans Affairs Office assumes primary responsibility for coordinating the processing of paperwork for students eligible for educational benefits through the Veterans Administration, either as veterans or as children of deceased or disabled veterans. The Office has also, during FY '73, organized several programs to help veterans including the following:

a. a tutoring program of vets tutoring vets;

b. an admissions program for handicapped persons--particularly veterans;

c. a two-way job bank listing interested veterans and area merchants;

d. a counseling service for veterans.

Project PULSE

A pilot program, Project PULSE, was originated by Student Affairs during the Fall '72 semester to provide a data-gathering service to University departments, student groups, and offices desiring information on student attitudes relative to current topics of concern as a prerequisite to decision-making.

Presently staffed by undergraduates and coordinated by a doctoral student in educational research, Project PULSE in the short period of one week collects the data, analyzes it, and reports the results to the concerned group. A (computer) random sampling program is used to identify approximately 300 students who are contacted and administered a carefully-structured questionnaire by trained student telephone interviewers.

Thus far, the PULSE system has been tested and proven highly effective through surveys ranging from registration and rhetoric to attitudes on transportation.

UNIVERSITY HEALTH SERVICES

The administration of the Health Services is responsible for the overall direction of the health program on campus. The health program exists to help students realize optimum physical and emotional well-being so that each may gain the most out of his/her University experience. The administration is responsible for assuring that the Health Services is achieving the major goals of the health program. These goals are: (1) to provide or arrange for a comprehensive program of high-quality personal health care services designed to meet the specific needs of students, faculty, and staff eligible for care; (2) to promote physical and emotional well-being by engaging the student in a learning process that would develop positive attitudes and behavior with respect to personal and community health; (3) to prevent health safety hazards on campus, thereby insuring a healthy and safe environment within which faculty and staff may live, learn, and work.

The Medical Care Division is responsible for the provision of high-quality personal health care services for students in attendance at the University as well as Hampshire College. The division makes available unlimited outpatient physician consultation for a wide variety of medical and surgical problems, provides 24-hour emergency services and provides medical care for inpatients admitted to the Health Center. This year the accessibility of medical services was enhanced by a physician on duty within the Health Center to 12 midnight, Monday through Friday, and on Saturday and Sunday from 8 a.m. to 5 p.m. Physicians are on call for urgent problems at any time. The provision of high-quality medical care accounts for better than 75% of the total activity of the Health Services.

During the current year the medical staff provided about 44,000 patient consultations at the University and 1,800 at Hampshire College for a total of 45,800 patient visits.

In addition to direct patient care, the medical staff is responsible for organizing and providing a number of preventive care programs in specific areas, such as the athletic medicine program which is designed to prevent unnecessary injuries for athletes participating in both intercollegiate and intramural programs.

A second preventive program is the Contraception Clinic which provides non-judgmental information and counseling as well as prescription services (about 4,000 of the consultations enumerated above). The medical staff is also working in conjunction with other health professionals in programs tailored to assist students with alcohol and drug dependency problems.

Finally, the medical staff provides supervision and training for the nine nurse practitioners providing direct patient services in the outpatient department. This widely recognized training program will be formalized this summer in conjunction with the School of Nursing and under the auspices of the Continuing Education Division of the University.

The primary goal of the Mental Health Division is to provide high-quality personal mental health services for students eligible for care. The bulk of mental health activity continues to be the provision of individual and group psychotherapy for students. During the 1973 fiscal year about 1,500 students received a total of 6,000 hours of individual or group psychotherapy at the University. Another 175 students reveived 700 hours of therapy at Hampshire College.

The Mental Health Division continues significant outreach efforts in the area of training paraprofessionals and working with residence hall counselors and heads of residence. In addition the mental health outreach program will work closely with minority and women on campus in helping these groups design specific programs that meet their needs in relation to counseling and other mental health services. Approximately 20% of the combined efforts of the mental health staff will be devoted to community mental health and other outreach programs.

The Community Health Education Division is involved in activities aimed at helping students develop responsible attitudes and behavior with respect to personal and community health. During the fiscal 1973 year a total of 15,200 student contact hours (SCH) will be provided by the Division. A major thrust of the program has been to introduce to the campus community a sound model for the training of indigenous paraprofessionals who serve in an educative, counseling, and referral role. The Division provides preservice (43 counselors) and inservice training (20 counselors) and supervision for the Peer Sex Education counselors within the residence hall and Greek systems. The training, supervision, and consultation activities for the PSE program represents 6,128 student contact hours.

A new development this year has been the Health Services Resource Program offered to fraternity and sorority representatives (15) and a number of residence hall counselors (30) for a total of 1,140 SCH. Participants are trained to help peers develop an awareness of available health services and how to use them wisely. Basic first aid, "home care" information, and health education techniques are considered. The Division also makes considerable contribution (267 SCH) to the training of residence hall counselors, offering various workshops.

The staff is responsible for providing regular contraception educational sessions and for training and supervising the clinic volunteers. This involves approximately 3,000 SCH. The Division also works closely with the Health Services Advisory Board (237 SCH).

Nursing Service is an integral part of the provision of high-quality, personal health care for students in attendance at the University as well as Hampshire College. In close cooperation with the Medical Care Division, the Nursing Service makes available unlimited outpatient nurse practitioner consultation for a wide variety of minor health problems, provides continuous nursing coverage for emergencies which may occur after clinic hours, and provides the inpatient care for students admitted to the Health Center. The Nursing Service also staffs a number of preventive medicine clinics including allergy desensitization, immunizations, TB surveillance, etc.

This year, the nursing staff provided about 18,000 patient consultations in the Nurse Practitioner Clinic, 2,000 nursing consultations in the Contraception

Clinic, 5,800 patient consultations in the preventive nursing clinics, and 11,500 patient consultations after hours and on weekends, for a total of 37,300 patient visits. In addition, 2,500 nurse practitioner consultations will be provided at Hampshire College.

The use of nurse practitioners in the Contraception Clinic is a significant step in the direction of involving more women in the direct provision of contraception services and has made the Contraception Clinic more sensitive and responsive to the specific health needs of women. This service was further enhanced by the involvement of graduate and undergraduate nursing students on a voluntary basis. Nursing personnel provide much of the non-judgmental counseling in human sexuality within the Contraception Clinic.

The addition of a part-time public health nurse was made this academic year to provide epidemiological services in surveillance of venereal disease and follow-up reactors to tuberculin skin tests. The public health nurse is also deeply committed to providing health counseling for handicapped students.

The Laboratory Department is responsible for providing high-quality clinical diagnostic support services. The laboratory processed about 75,000 laboratory determinations. In addition to the services provided in the on-campus laboratory, we make use of a reference laboratory (MetPath Laboratories) in such areas as cytology and blood chemistries. The use of MetPath has enabled the Health Services to reduce the cost per test slightly with an equally high quality of performance.

The X-Ray Department is responsible for providing high-quality diagnostic services in support of the medical care program. The x-ray service provided about 5,750 examinations during the year. The opening of the new addition to the Health Center sometime during the next year will have an important impact on the X-Ray Department.

The pharmacy is responsible for providing high-quality prescription services for the University student community and for students in attendance at Hampshire College. The pharmacy filled about 82,500 prescriptions at the University and an additional 1,000 prescriptions for Hampshire College. This represents a 10% increase over the previous fiscal year, which is slightly higher than the growth in student enrollment.

This increase is attributed in part to the expansion in pharmacy coverage in order to more strictly comply with state requirements that all prescriptions be filled by the pharmacy. This means that only an emergency quantity of medication can be administered by a nurse or physician after the pharmacy is closed. Other factors which might help explain the sharp increase in prescriptions and cost of medication are: (a) the expansion of the nurse practitioner clinic; (b) the increase of multiple problems being treated by the medical staff which often require several separate prescriptions; (c) the use of more sophisticated medications in the treatment of specific diseases.

This past year the pharmacy has provided professional services to two other institutions, specifically UMass/Boston campus and Massasoit Community College. These two institutions have used our pharmacy to supervise the purchase of certain medications. Naturally, these services are fully reimbursed by the institutions.

The Physical Therapy Department is responsible for providing a wide variety of physical therapy modalities for students with acute and/or chronic disabilities. The Physical Therapy Department is staffed by a full-time registered therapist and a full-time physical therapy assistant. This department is also affiliated with Springfield Technical Community College's extern program for physical therapy assistants. The number of students receiving services through the Physical Therapy Department has increased sharply over the past year and one-half. This is due in part to the increase in treatments attributable to corrective and rehabilitative exercise programs initiated by the department. It also reflects in part the contribution of the student intern and extern programs. There are a total of 7,000 patient visits with a total of 11,500 treatments being provided.

The Medical Records Department is responsible for processing all health folders for outpatients and inpatients receiving care through the University Health Services. This involved the processing of approximately 100,000 health folders. In addition this department is responsible for filing all laboratory and x ray reports, checking on the completeness of medical records, and coding the diagnosis according to the International Classification of Diseases. The department is responsible for performing all the medical transcription for the fifteen full-time staff physicians. Other functions include information and reception, switchboard, admitting and appointments. The most significant new activity which was initiated during the 1973 fiscal year from a cost point of view is the microfilming of inactive medical folders. The legal requirements for maintaining patients' health folders in this state is 35 years. This results in the need for a microfilming service.

The Housekeeping Department is responsible for basic cleanliness of the Health Center including the inpatient and outpatient facilities. This is an important service which is required to eliminate the possibility of cross infections within patient areas. A considerable amount of housekeeping effort in the past has been devoted to the inpatient area which has experienced a short decrease in patient load in recent years. At the same time, construction of the new addition has resulted in a hardship on the housekeeping staff in the outpatient and other general areas.

The Central Supply Department is responsible for receiving and distributing all sterile and non-sterile supplies in support of the health program. The sterile supply area has experienced a considerable increase in activity over the past year in response to the increased need for special instruments in the care of specific student problems.

Upon completion of the new addition, the Health Services will be in a position to offer limited dental services to students on campus. It is intended that the dental program will place its primary emphasis on the emergency dental needs of students and the provision of preventive dental services. Dental problems are quite common in the college population. If a dentist is available at the Health Center, prompt action can be taken without requiring a student to set up an appointment with a private dentist elsewhere. Chief among these emergencies are toothaches, impacted third molars, and oral infections.

Preventive dental services will include routine examinations, dental prophylaxis, and topical fluoride applications provided by a dental hygienist on a modified fee-for-service basis. Some limited restorative services will be

provided at the Health Center for the benefit of low income and foreign students, but the University will continue to rely on local dental practitioners within the community including specialists for the majority of restorative services provided to students on campus.

The Division of Environmental Health and Safety is responsible for assuring that policies and standards governing the environmental health and safety of the University community are complied with, developing a surveillance program aimed at maintaining a safe and healthy environment, and providing appropriate educational and training programs.

During the 1973 fiscal year the Division made approximately 850 inspections and surveys and 250 samples were analyzed. Specifically, the Division made 350 inspections of University buildings to insure that all fire apparatus and alarm systems are operational and to make recommendations for corrections if safety or fire hazards exist. An additional 175 inspections and surveys and 75 samplings were made in the area of radiation protection. Inspections and surveys in the area of environmental health and sanitation will amount to 250, which includes the dining commons, Campus Center, snack bars, and residence hall kitchenettes. Analysis of 200 food, water, and milk samples were made.

CAMPUS CENTER

The Campus Center of the University of Massachusetts provides to the University community many important services. As a student center it serves as the principal meeting place for more than 620 student organizations. The center's 49 meeting rooms and 2 large auditoriums are used to conduct over 2500 scheduled student meetings and 300 major student events ranging from weekly movies to major Distinguished Visitors Programs each year. The major Student Government organizations, R.S.O. offices and Student Activities department are all permanently housed within the Center.

The primary functions of the Center in addition to the above are to provide Conference management, housing, food services and meeting rooms to the more than 40,000 persons attending Continuing Education and Campus Center managed programs annually. Use of the Campus Center for University administration and community programs throughout the year is also extensive.

The Management and Operations (M & O) section of the Campus Center provides for the centralized administrative and physical support of the Campus Center complex which consists of the Harry D. Lincoln Campus Center containing 279,500 sq. ft.; the Student Union containing 103,000 sq. ft. and the Campus Center Garage project containing 375,000 sq. ft. The three buildings form a cluster that is connected on several levels.

The principal services and operations contained within the M & O section include the Campus Center Marketing and Conferences offices, a Print Shop, News and Sweet Shop, Billiard Games and Amusement area, Craft and Handicraft shop, Post Office, Travel and Ticketing Center, Audiovisual Media services, Centralized Scheduling Services office, Check Cashing services, maintenance and accountability for the University Lab Fees program, and leased enterprises such as a Barber Shop.

The University Store has two principal retail outlets, the Textbook warehouse and the main store.

Campus Center Food Services operates several food service units not only within the building but also for other departments within the University. The Top of the Campus Restaurant and Lounge, the Hatch, the Coffee Shop, the Bluewall Cafeteria, the Bluewall Rathskeller, the Hatch Tavern and an extensive Catering department are all contained within the Center. In addition Food Services provide management services for the Student Automatic Services Trust Fund which serves the entire Amherst campus for all vending services and contracts. Food services also operatesthe concession aththe football stadium and Cage for the University Athletic Department.

The Accommodation Services department provide 116 overnight rooms all with private baths and complete rooming services. As a part of the departmental

operations, coordination for Conference accounting, linen rentals and other housekeeping functions are administered through this department.

The Campus Center Garage is operated as an autonomous financial unit of the Center. The purpose of this arrangement is to maintain separate internal funding for the garage.

UNIVERSITY FOOD SERVICES

The University Food Services serves the university community in many varied ways. Its principal objective is to serve nutritious and economical meals to the 9-10,000 students who are required to purchase a meal ticket. Two options are available for these students. One is a 10 meal, meal ticket, which is valid for any two meals per day, Monday through Friday, $543 per academic year; and the other is a 15 meal, meal ticket, which is valid for three meals per day, Monday through Friday, $613 per academic year. Students with meal tickets may eat in any one of the dining commons with continuous service from 6:30 a.m. to 7:00 p.m. Students are allowed unlimited food to be consumed within the dining commons.

This department is also responsible for the operation of three snack bars and three small, retail mini-marts with approximately $750,000 in sales anticipated. Catering and conference work is quite extensive and will account for an additional $300,000 in annual sales.

This department assists in academic course work in the School of Home Economics; Hotel, Restaurant and Travel; Food Science and Technology; Business Administration; Bacteriology; and Public Health as well as one course in Hotel, Restaurant and Travel for which we are completely responsible. Over 20 students with individual academic, project assignments are also assisted by the Food Service Staff.

The normal work force of 320 regular employees will be supplemented by an additional 400-500 student workers. Total salaries that will be paid by this department this year '73 will amount to over $2.6 million. The Food Services Organization purchased, prepared and served over 1200 tons of food.

The administrative group has devoted considerable attention and effort to improve communication and other relations with its clientele. There were over a dozen surveys or studies conducted to clarify various customer attitudes. A comment card system, with at least a telephone response, enabled the department to reach over 1000 customers. Quality control was strengthened by increased use of test panels to sample the food served and by developing better purchasing specifications. The catering service, as well as the between meals and snack-bar service, showed a significant expansion.

HOUSING ADMINISTRATION

Housing Administration is an auxiliary enterprise whose principal function is to provide and maintain an adequate level of hoursing for resident students. It manages business functions and oversees maintenance and environmental change services associated with housing students in both dormitories and apartments on the Amherst Campus. The housing system can shelter over 12,100 students in forty-five (45) residence hall buildings which in total can house 11,490 students and apartment facilities for 395 married student units and fifty (50) apartment units for Head of Residences and Resident Faculty.

Management of the housing system is an on-going program which derives almost all of its funds from rentals to both students and conferees. The program is totally self-liquidating except centralized service provided by the Purchasing, Accounting, and Personnel Departments on the Amherst campus. Revenue generated by rental operations is dedicated to debt service; maintenance, janitorial and administrative labor; maintenance, janitorial and administrative materials; furniture and equipment; utilities and equipment reserves.

This year's occupancy level did not achieve budget. On a system basis, ordinary maintenance and major renovation were not affected by the occupancy level achieved. Chadbourne renovation was completed and Greenough's started. Full renovation of Greenough will be completed during the summer. While not all planned minor environmental change was undertaken because of lost revenue, a great deal was achieved. For example, a number of kitchenetts, study rooms, recreational, counseling and women center facilities were added.

The heating problems in the Orchard Hill and Southwest dormitory areas have been fully evaluated. Consultant recommendations regarding the heating problems are in the processes of being implemented. Field and Webster roofs in Orchard Hill have been repaired.

The last debt services payments were made for Brooks, Hamlin and Knowlton dormitories. Hills dormitory has been transferred temporaily to Academic use. With average vacancy in the dormitory system running close to 900 beds, it made good sense to reduce the capacity of the system.

The major activity in married student housing occurred in Lincoln and North Village Apartment complexes. At Lincoln major roof repairs are being undertaken. At North Village the laundry facility has been completed and is now operational.

PHYSICAL PLANT

The department's mission is planning, constructing, maintaining and operating the physical facilities at the University of Massachusetts Campus/Amherst and the outlying research stations at Waltham, Wareham, Nantucket, Belchertown, South Deerfield and Gloucester. The Amherst Campus has the building square footage of 8,740,716 square feet in over 200 major buildings and the site area totals 1,280 acres (50% of which requires intensive care). A professional and non-professional complement of 945 employees is currently involved in the operation of the plant. There is an ever-increasing need for support funds because of the more extensive use of facilities and the fact that many of the physical facilities are rapidly approaching a critical age.

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RESEARCH ADMINISTRATION

SPONSORED ACTIVITIES FOR FISCAL YEAR 1973

UNIVERSITY OF MASSACHUSETTS
AMHERST
GRADUATE SCHOOL

PAT W. CAMERINO
ASSOCIATE GRADUATE DEAN FOR RESEARCH

MARGARET M. ALWIN
COORDINATOR OF SPONSORED ACTIVITY DATA

SPONSORED ACTIVITIES - 1973

During the period July 1, 1972 - June 30, 1973, the University of Massachusetts received a minimum of $17.7 million in non-state-appropriated funds for the support of research, education, and public service activities. This report summarizes fiscal data related to the faculty and the administrative units of the University responsible for the execution of these projects and to the sponsoring agencies offering financial support.

In fiscal year 1973 the Worcester campus accounted for $0.6 million, the Boston campus for $1.6 million and the Amherst campus for $13.6 million for sponsored projects. The FY '73 total for UMA was $112,543 less than that for FY '72. However, the apparent small decrease consisted of a $1.0 million decrease in four major institutional grants which were offset by increases in the support of more individual projects. Over $3 million of the UMA support was attributable to projects of the School of Education; an additional one million dollars was obtained for projects of the Department of Physics and Astronomy. The departments of Psychology and Civil Engineering each received more than one-half million dollars.

Federal agencies continue to provide the majority of funds for sponsored projects although the ratio has been decreasing throughout the last three fiscal years: FY '71 - 84%, FY '72 - 79%, FY '73 - 73%. In FY 1973, approximately 32% of the non-Federal funds for UMA projects came from foundations.

The following narrative discusses (1) some general observations on the administrative units receiving support, (2) the major sources of support, (3) the categories of activities for which support has been received, (4) the methodology followed in constructing this report (5) comparisons of "average" awards (6) inclusions and exclusions in this report and (7) instructions on the use of the accompanying computer print-outs.

Mention must be made of the increased aid given to us by the Faculty, Departments and University offices in providing information for our records. Special thanks are also extended to our work-study student Mr. John Ieni and to Mrs. Karen Hathaway who coded much of the data reproduced in this report as well as to Mrs. Peggy Hudson who typed the final text and summary tables.

May 1974

Pat W. Camerino
Associate Graduate Dean
for Research

SPONSORED ACTIVITIES

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INTRODUCTION

Once again this report is an attempt to offer one reflection of the activities of the faculty of the University of Massachusetts. An educational institution as diverse as the University has many reflections-the scholarship of its faculty, their publications, exhibitions and performances; the advancement of its students, their academic records, career preparation and personal growth to name a few. However to accomplish these missions, resources are required. Not unfrequently these resources must come from sources other than the University's direct appropriation from the Commonwealth. This report addresses these complementary and supplementary sources of funding for "sponsored activities for fiscal year 1973". The outcomes of these activities are of interest to the sponsor. However, the projects are undertaken by faculty, students and staff because of the benefit to the University and to the society it serves.

It is not the purpose of this report to describe the nature of the individual activities for which support has been received; rather it is to give an indication of the magnitude and diversity of such activities. Specific information may be obtained from those individuals identified in this document. If the title of a project is of interest, the reader is encouraged to pursue the subject with the project director.

SUMMARY OF SUPPORT FOR SPONSORED PROJECTS

(Administrative Units Receiving Support)

During the period July 1, 1972 through June 30, 1973, that is, in fiscal year 1973, the University of Massachusetts received $17,698,904 from all sources for the support of sponsored projects. The "comparable" level given in the report for FY 1972 was $14,998,971. There is an apparent increase of $2,699,933 or 18.0%. However, this increase results mainly from improved reporting.

The University of Massachusetts has campuses at Amherst, Boston, and Worcester. Records of sponsored projects are now routinely transmitted from UMB and UMW to this reporting office at Amherst. In addition, information is made available for awards received by the President's Office. Since the President's Office, which includes the Institute for Governmental Services, provides support to each campus for projects and activities undertaken at these three sites, this report uses the term "All Campus" to identify funds received by the President's Office for use at Amherst, Boston and Worcester. In FY 1973 a total of $1,877,867 has been designated as "All Campus"; whereas in FY 1972 only $182,863 was thus reported. A vast majority of these funds which are for the "college work-study program" and the "educational opportunity grants program" were present in FY 1972

but were excluded from the report. Although documentation was received from the Boston and Worcester campuses in FY 1972, it appears to be more complete for FY 1973 than for the previous fiscal year. It is undetermined what part of the apparent large increases have resulted from a rapid growth at the new UMB and UMW campuses and what portion is due to an improved reporting to the Amherst office preparing this report.

More complete information is available for UMA. However these data yield disturbing, although not unexpected, results. In FY 1973 the Amherst campus received $13,629,848 for sponsored projects. This total is $112,543 less than the total of $13,752,391 received in FY 1972. Although the decrease of 0.9% is not a significant one, it is indicative of the leveling-off of funds available for sponsored projects. (In fact further analysis given below suggests that funds for individual, i.e. non-institutional, awards actually increased.)

A decrease of $124 thousand has been observed for the College of Food and Natural Resources. However the College actually has demonstrated an increase. The discrepancy is a result of decreased institutional support by a reduction of USDA Hatch Act funds for agricultural projects from $991 thousand in FY 1972 to $657 thousand in FY 1973, a difference of $334 thousand. Thus the College had an increase of $200 thousand in its non-Hatch Act funding.

With respect to the School of Engineering there appears to be a decrease from $1.787 million in FY 1972 to $1.424 in FY 1973, a reduction of $363 thousand. However, in FY 1972 the School received $475 thousand from the U. S. Department of Transportation for a single grant for support of the "UMASS Bus Transit Demonstration Project". Thus the School may have actually increased its level of outside support by $112 thousand.

The influence of a large grant is also seen for the Graduate School. In FY 1972 the National Defense Education Act (NDEA) Graduate Fellowship Program received $324 thousand whereas the FY 1973 level was $196 thousand, a reduction of $128 thousand for this institutional program supported by the Office of Education. Another institutional program exhibiting a decrease is the National Science Foundation's Graduate Traineeship program with a reduction from $108 thousand to $4 thousand! Thus $232 thousand of the Graduate School's decrease is a result of Federal cut-backs in institutional student support.

The major institutional reductions at UMA may be summarized as:

Program	FY 1972	FY 1973	Reduction
Hatch Funds for Agricultural Projects	$ 991,258	$656,872	$ 334,386
UMASS Bus Transit Demonstration	475,441	- 0 -	475,441
NDEA Graduate Fellowships	324,000	196,100	127,900
NSF Graduate Traineeship Program	108,464	3,819	104,645
	$1,899,163	$856,791	$1,042,372

It was stated above that UMA received in the aggregate $112,543 less in FY 1973 than in FY 1972. If account is taken of the one million dollar reduction in the four identified programs, the Amherst campus actually increased its support in other projects by $929,829. If the total levels for these four programs are disregarded for both fiscal years, UMA exhibited an increase from $11,853,228 to $12,773,057, an increase of 7.8%.

At UMA the Department of Physics and Astronomy has the distinction of being the only department receiving funds in excess of one million dollars during FY 1973. The Psychology Department is not far behind in receiving total funds in excess of three-quarters of a million dollars; the Department of Civil Engineering received slightly more than one-half million dollars. Departments or units in excess of $300 thousand include: Zoology, Chemistry, Polymer Research Institute and Microbiology. The Departments of Electrical and Computer Engineering, Polymer Science and Engineering, Computer and Information Science, and Biochemistry each received total support in excess of $200 thousand as did the Institute for Governmental Services affiliated with the President's Office.

At UMW the Departments of Biochemistry and Microbiology each received total funds in excess of $100 thousand as did the Departments of Food Services and Technology, Forestry and Wildlife Management, Landscape Architecture and Regional Planning, English, Botany, Geology and Geography, Chemical Engineering, Industrial Engineering and Operations Research, and Mechanical and Aerospace Engineering at the Amherst Campus.

In recent years a sizable fraction of the support received by the Amherst campus has been for activities and projects executed by the School of Education. In FY 1972 this School was awarded $4.3 million for sponsored projects; however awards for FY 1973 have decreased to $3.4 million - a still significant proportion of the UMA funding.

The changes for the major administrative elements are presented in Table I and illustrated in Figure A. Greater detail for FY 1973 is presented in Table II which identifies the recorded administrative units of the University.

(Sources of Support)

The Federal Government continues to be the major source of funding for sponsored projects. In FY 1973, Federal agencies provided 72.7% of the $17.7 million received by the University. Agencies of the Commonwealth furnished 7.7%, and 19.6% arose from other public and private sources. The FY 1972 report indicated that 79% of the University's support came from Federal sources, 6% from State agencies and 15% from other sources.

The Amherst Campus in FY 1973 received 74% of its sponsored project support from Federal agencies, 7% from State Agencies, and 19% from other sources. The major Federal Department contributing funds is still Health, Education and Welfare (D/HEW) which provided $3.9 million. However, in

TABLE I: COMPARISONS OF TOTAL FUNDS RECEIVED FOR SPONSORED PROJECTS BY THE UNIVERSITY OF MASSACHUSETTS IN FY 1972 AND FY 1973

ADMINISTRATIVE UNIT	FISCAL YEAR 1972 TOTAL AMT. (millions)	FISCAL YEAR 1972 % DISTRIBUTION		FISCAL YEAR 1973 TOTAL AMT. (millions)	FISCAL YEAR 1973 % DISTRIBUTION		APPARENT CHANGE*
TOTAL UNIVERSITY	*$14.999*	*100.0*		*$17.699*	*100.0*		*18*
All Campus	.183	1.2		1.878	10.6		926
Worcester	.350	2.3		0.599	3.4		71
Boston	.714	4.8		1.592	9.0		123
Amherst	13.752	91.6	100.0	13.630	77.0	100.0	-1
School of Education	4.305		31.4	3.437		25.3	-20
Fac. Natural Sci. & Math	2.468		17.9	2.862		21.0	16
Col. of Food & Nat'l Resour.	1.723		12.5	1.599		11.7	-7
Sch. of Engineering	1.787		13.0	1.424		10.4	-20
Graduate School	1.650		12.0	1.401		10.3	-15
Fac. of Social & Behav. Sci.	.836		6.1	1.177		8.6	36
Other Units	.983		7.1	1.730		12.7	76
Administrative Offices	$0.534			$1.040			95
Humanities & Fine Arts	0.046			0.239			419
School of Nursing	0.161			0.247			53
Dept. of Public Health	0.177			0.071			-60
Sch. of Business Admin.	0.038			0.066			74
Continuing Education	0.023			0.032			39
Sch. of Physical Education	0.000			0.025			--
Sch. of Home Economics	0.004			0.010			150

*[(FY '73 - FY '72)/FY '72] 100 See text for explanations of these apparent changes.

FIGURE A

TOTAL AMOUNT RECEIVED

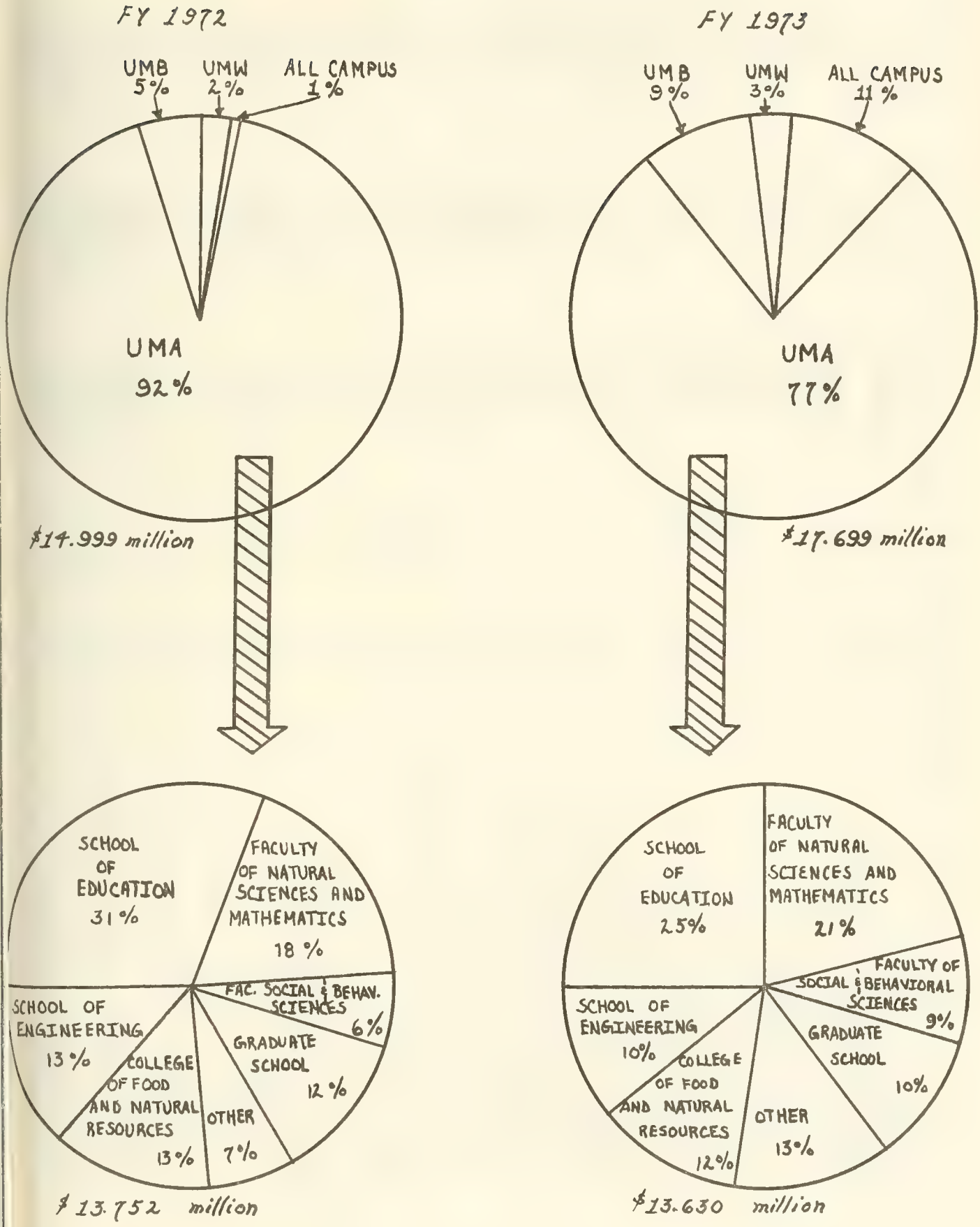

TABLE II: FUNDS RECEIVED FOR SPONSORED PROJECTS, FY 1973 - BY ACADEMIC UNIT

ADMINISTRATIVE UNIT	NG	N.FAC	$ DIRECT	$ INDIRECT	$ TOTAL
UNIVERSITY OF MASSACHUSETTS AT AMHERST	*380*	*271*	*12,170,013*	*1,582,728*	*13,629,848*
ADMINISTRATIVE OFFICES	20	15	1,025,554	30,470	1,040,024
Office of the Chancellor	5	4	526,502	17,702	528,204
Provost's Office	5	3	355,896	3,704	359,600
Fine Arts Council	1	1	2,500	-	2,500
Institute for Man and His Environment	3	1	26,980	6,200	33,180
International Programs	1	1	2,000	-	2,000
Library	1	1	5,000	-	5,000
Radio Station WFCR-FM	2	2	24,490	-	24,490
University Health Services	2	2	82,186	2,864	85,050
COLLEGE OF FOOD AND NATURAL RESOURCES	*59*	*43*	*1,491,482*	*107,270*	*1,598,712*
Office of the Dean (Experiment Station)	2	1	717,282	-	717,282
Office of the Dean (Agriculture)	1	1	72,560	7,179	79,739
Agriculture and Food Economics	3	2	97,000	-	97,000
Cranberry Experiment Station	5	3	3,630	-	3,630
Entomology	1	1	28,066	5,336	33,402
Environmental Sciences	4	3	25,750	188	25,938
Suburban Experiment Station	8	4	16,475	1,925	18,400
Food Science and Technology	6	5	151,840	41,714	193,514
Forestry and Wildlife Management	14	10	127,291	-	127,291
Landscape Architecture & Regional Planning	5	3	127,325	21,636	148,961
Plant and Soil Sciences	3	3	41,440	7,967	49,407
Plant Pathology	1	1	14,663	4,677	19,340
Veterinary and Animal Science	5	5	65,660	16,648	82,308
Feed Seed and Fertilizer Services	1	1	2,500	-	2,500
FACULTY OF HUMANITIES AND FINE ARTS	*8*	*8*	*205,471*	*33,293*	*238,770*
English	3	3	112,033	9,139	121,172
History	2	2	58,434	11,314	69,748
Linguistics	1	1	29,154	12,840	42,000
Philosophy	2	2	5,850	-	5,850
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES	*43*	*38*	*989,401*	*183,090*	*1,176,836*
Anthropology	8	7	61,533	4,124	65,649
Economics	4	4	68,761	25,802	94,570
Political Science	3	3	68,185	10,258	78,443
Psychology	22	19	722,966	135,831	857,143
Sociology	5	4	42,150	6,475	54,625
Speech (Communication Studies)	1	1	25,806	600	26,406

TABLE II: FUNDS RECEIVED FOR SPONSORED PROJECTS, FY 1973 - BY ACADEMIC UNIT CONT'D

ADMINISTRATIVE UNIT	NG	N.FAC	$ DIRECT	$ INDIRECT	$ TOTAL
FACULTY OF NATURAL SCIENCES & MATHEMATICS	100	75	2,302,227	570,321	2,862,206
Biochemistry	7	5	173,245	39,397	210,976
Botany	6	5	144,242	26,318	170,529
Chemistry	21	14	287,990	74,657	361,566
Geology and Geography	9	8	131,664	37,305	168,878
Mathematics and Statistics	6	6	43,338	17,613	60,900
Microbiology	13	9	281,762	55,476	336,938
Physics and Astronomy	24	15	940,512	243,300	1,176,659
Zoology	14	13	299,474	76,255	375,760
SCHOOL OF BUSINESS ADMINISTRATION	3	2	53,028	12,972	66,000
Accounting	1	1	1,000	-	1,000
General Business and Finance	2	1	52,028	12,972	65,000
SCHOOL OF EDUCATION	43	16	3,295,900	216,123	3,437,143
SCHOOL OF ENGINEERING	51	40	1,238,012	209,705	1,424,124
Office of the Dean	5	4	115,737	19,510	137,497
Chemical Engineering	6	5	126,101	38,525	164,664
Civil Engineering	15	11	549,025	22,462	545,571
Commonwealth Industrial Technology	1	1	37,500	16,900	54,400
Industrial Engineering and Operations	2	2	82,740	43,097	125,837
Electrical and Computer Engineering	10	9	204,176	51,226	255,435
Mechanical and Aerospace Engineering	12	8	122,733	17,985	140,720
GRADUATE SCHOOL	39	21	1,192,551	208,285	1,401,139
Offices of the Deans	5	3	321,295	-	321,295
Computer and Information Science	6	5	169,588	50,373	220,269
Marine Station	5	2	72,705	22,910	95,650
Polymer Science and Engineering	1	1	190,072	34,928	225,000
Polymer Research Institute	20	8	282,614	75,567	358,141
Water Resources Research Center	2	2	156,277	24,507	180,784
SCHOOL OF HOME ECONOMICS	1	1	7,582	2,251	9,833
Human Development	1	1	7,582	2,251	9,833
SCHOOL OF NURSING	7	6	241,974	7,893	247,225
SCHOOL OF PHYSICAL EDUCATION	1	1	25,000	-	25,000
Physical Education for Men	1	1	25,000	-	25,000
DEPARTMENT OF PUBLIC HEALTH	4	4	71,280	-	71,280
CONTINUING EDUCATION	1	1	30,551	1,055	31,556

to be continued

TABLE II: FUNDS RECEIVED FOR SPONSORED PROJECTS, FY 1973 - BY ACADEMIC UNIT CONT'D

ADMINISTRATIVE UNIT	NG	N.FAC	$ DIRECT	$ INDIRECT	$ TOTAL
UNIVERSITY OF MASSACHUSETTS AT BOSTON	35	22	1,584,257	106,871	1,592,438
COLLEGES I, II, & III	11	10	144,704	25,546	168,097
English	1	1	29,885	2,390	30,124
Anthropology	1	1	1,000	-	1,000
Psychology	2	1	18,250	-	18,250
Biology	3	3	53,009	8,405	61,368
Chemistry	3	3	37,550	12,905	50,455
Physics	1	1	5,010	1,846	6,900
OFFICE OF THE CHANCELLOR	22	10	991,337	56,301	951,101
OFFICE OF THE PROVOST	1	1	400,000	-	400,000
PLANNING AND DEVELOPMENT	1	1	48,216	25,024	73,240
UNIVERSITY OF MASSACHUSETTS AT WORCESTER	18	16	519,276	83,745	598,751
INSTRUCTION	16	14	384,114	83,745	463,589
Anatomy	2	2	41,550	11,910	51,744
Biochemistry	4	4	136,816	38,388	173,855
Community Medicine	3	1	45,394	-	45,394
Microbiology	3	3	92,931	16,515	109,446
Physiology	4	4	67,423	16,932	83,150
ADMINISTRATION	2	2	135,162	-	135,162
Office of the Dean	2	2	135,162	-	135,162
ALL CAMPUS	10	3	1,868,040	9,827	1,877,867
Office of the President	4	1	1,666,930	-	1,666,930
Institute for Governmental Services	6	2	201,110	9,827	210,937
TOTAL UNIVERSITY	443	314	16,141,586	1,783,171	17,698,904

FY 1972, D/HEW support amounted to $4.4 million for UMA. On the other hand funding from the Research Institutes of the National Institutes of Health (NIH-RI)*, the D/HEW component that supports biomedical research projects increased from $1.2 million to $1.4 million.

Another indication that the University is continuing to receive support for basic research is the observation that funds from the National Science Foundation (NSF) to the Amherst campus increased from $2.3 million to $2.4 million. The level of support from the National Aeronautics and Space Administration (NASA), the Atomic Energy Commission (AEC) and the Department of Defense (DOD) remained relatively constant. The aggregate funding from these three agencies was $1.22 million in FY 1973 and $1.24 million in FY 1972. Thus the support for basic research under the aegis of the NIH and NSF was three times that under the sponsorship of NASA/AEC/DOD.

It seems as if Federal agencies change their organizational locus with some frequency, making it difficult to offer strict comparisons from year to year. An example might be the Office of Education (OE) which was a major separate element in D/HEW prior to FY 1973. With the creation of the National Institute of Education (NIE) and the Fund for the Improvement of Post Secondary Education (FIPSE), the OE joined with these units to form the "Division of Education" of D/HEW. Data first appearing in the FY 1972 report have been recast to yield more meaningful comparisons where such organizational changes have occurred.

Information for total funding according to the source of the funding and the University site receiving this support is presented in a series of tables. Table III provides a summary for FY 1973 support for each campus according to the Federal agency or to the non-Federal groupings of organizational types. Since the NIH and NSF provide the majority of awards for basic science support, Table IV summarizes the funding from these agencies in FY 1973 for the receiving departments at Amherst, Boston and Worcester.

Comparisons between FY 1972 and FY 1973 are of interest. Unfortunately because of the uncertainty of prior reporting from UMB and UMW, it might be misleading to summarize data for these campuses for the two fiscal years. Consequently Table V is limited to a comparison for UMA only. At the same time, the comparison is given for major Federal agencies and organizational groupings of non-Federal sources of support. The percentage distributions for these two fiscal years is illustrated in Figure B.

In this report "State Agencies" include those receiving a direct allocation from the Commonwealth. The term "Massachusetts Organizations" includes awards from health organizations in the state and public school systems or other awards from communities within the state. Industrial contracts or awards may be given by corporations within the state as well as elsewhere. Foundations may be family name foundations or corporation foundations.

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* The NIH also includes the Bureau of Health Manpower and Education which funds primarily training and educational projects.

TABLE III: TOTAL FUNDS RECEIVED BY EACH CAMPUS FOR SPONSORED PROJECTS,

FY 1973 - BY THE SOURCE OF FUNDING

AGENCY	UNIVERSITY NG	UNIVERSITY $ AMT	UM/AMHERST NG	UM/AMHERST $ AMT	UM/BOSTON NG	UM/BOSTON $ AMT	UM/WORCESTER NG	UM/WORCESTER $ AMT	ALL CAMPUS NG	ALL CAMPUS $ AMT
FEDERAL	*277*	*12,858,961*	*244*	*10,087,396*	*16*	*592,346*	*14*	*544,789*	*3*	*1,634,430*
DEPT. HEALTH, EDUC. & WELFARE	*112*	*6,424,133*	*88*	*3,905,908*	*10*	*425,714*	*12*	*463,789*	*2*	*1,628,722*
Health Svcs & Mental Hlth Adm	12	497,386	12	497,386						
Nat'l Ctr-Hlth Serv. Res&Dev	1	101,905	1	101,905						
Nat'l Insti. Mental Hlth	11	395,481	11	395,481						
National Institutes of Hlth	70	2,225,443	55	1,680,631	3	81,023	12	463,789		
NIH-Research Institutes	59	1,834,261	45	1,410,197	3	81,023	11	343,041		
Bur. Health Manpower Ed	10	381,305	9	260,557			1	120,748		
Nat'l Library of Medicine	1	9,877	1	9,877						
Division of Education	23	3,407,385	14	1,433,972	7	344,691			2	1,628,722
Other HEW	7	293,919	7	293,919						
DEPT. OF DEFENSE	*24*	*750,159*	*24*	*750,159*						
Dept. of the Army	10	180,747	10	180,747						
Dept. of the Navy	9	418,329	9	418,329						
Dept. of the Air Force	4	84,170	4	84,170						
Other DOD	1	66,913	1	66,913						
OTHER FED. EXECUTIVE DEPTS.	*30*	*1,878,898*	*30*	*1,878,898*						
Dept. of State	2	178,412	2	178,412						
Dept. of Justice	1	10,000	1	10,000						
Dept. of Interior	12	468,013	12	468,013						
Off. Water Resources Res.	5	294,484	5	294,484						
Other Interior	7	173,529	7	173,529						
Dept. of Agriculture	8	784,382	8	784,382						
Dept. of Commerce	4	201,071	4	201,071						
Dept. of Labor	2	234,670	2	234,670						
Dept. of Transportation	1	2,350	1	2,350						
FEDERAL INDEPENDENT AGENCIES	*110*	*3,793,271*	*101*	*3,539,931*	*6*	*166,632*	*2*	*81,000*	*1*	*5,708*
Atomic Energy Comm	5	250,360	5	250,360						
Nat'l Aeronautics-Space Adm	9	221,812	9	221,812						
Nat'l Science Foundation	81	2,569,299	74	2,441,181	4	41,410	2	81,000	1	5,708
Nat'l Fdn. Arts-Humanities	4	164,415	3	134,291	1	30,124				

AGENCY	UNIVERSITY NG	UNIVERSITY $ AMT	UM/AMHERST NG	UM/AMHERST $ AMT	UM/BOSTON NG	UM/BOSTON $ AMT	UM/WORCESTER NG	UM/WORCESTER $ AMT	ALL CAMPUS NG	ALL CAMPUS $ AMT
FED. INDEPENDENT AGENCIES CONT'D										
Environmental Protection Ag'y	4	121,902	4	121,902						
Office of Economic Oppt'ty	1	130,000	1	130,000						
Action	4	330,683	3	235,585	1	95,098				
Other Fed. Ind. Agencies	2	4,800	2	4,800						
OTHER FEDERAL AGENCIES	*1*	*12,500*	*1*	*12,500*						
NON-FEDERAL AGENCIES	*166*	*4,839,943*	*136*	*3,542,452*	*19*	*1,000,092*	*4*	*53,962*	*7*	*243,437*
PRIVATE/PUBLIC FOUNDATIONS	*47*	*1,918,073*	*39*	*1,130,949*	*6*	*729,730*	*1*	*24,894*	*1*	*32,500*
Biomedical Foundations	4	66,750	3	41,856			1	24,894		
Chemical Res. Fdn's	14	115,185	13	112,685	1	2,500				
Personal Name Fdn's	23	1,702,938	17	943,208	5	727,230			1	32,500
Industrial Foundations	2	8,200	2	8,200						
Other Priv/Pub Foundations	4	25,000	4	25,000						
COMM. OF MASS. STATE AGENCIES	*39*	*1,372,427*	*29*	*1,019,243*	*5*	*139,737*	*1*	*15,500*	*4*	*197,947*
MASSACHUSETTS ORGANIZATIONS	*26*	*585,269*	*16*	*511,326*	*6*	*47,385*	*2*	*13,568*	*2*	*12,990*
Massachusetts Communities	16	507,245	11	467,120	3	25,135	1	5,000	1	9,990
Other Mass. Organizations	10	78,024	5	44,206	3	22,250	1	8,568	1	3,000
INDUSTRIAL CONTRACTS	*36*	*268,815*	*36*	*268,815*						
Massachusetts Industry	6	94,514	6	94,514						
U. S. Industry	29	174,101	29	174,101						
Other Industry	1	200	1	200						
UNIVERSITY GRANTS TO UMASS	*7*	*105,780*	*6*	*32,540*	*1*	*73,240*				
NEW ENGLAND AGENCIES	*6*	*164,631*	*6*	*164,631*						
OTHER NON-FED AWARDS	*5*	*424,948*	*4*	*414,948*	*1*	*10,000*				
TOTAL FEDERAL/NON-FEDERAL	*443*	*17,698,904*	*380*	*13,629,848*	*35*	*1,592,438*	*18*	*598,751*	*10*	*1,877,867*

TABLE IV: TOTAL FUNDS RECEIVED FROM NIH AND NSF

FOR FY 1973 - BY ACADEMIC UNIT

	NATIONAL INSTITUTES OF HEALTH			NATIONAL SCIENCE FOUNDATION		
	NG	$ DIRECT	$ TOTAL	NG	$ DIRECT	$ TOTAL
UNIVERSITY OF MASSACHUSETTS AT AMHERST	*45*	*1,098,845*	*1,410,197*	*74*	*1,949,053*	*2,441,181*
COLLEGE OF FOOD AND NATURAL RESOURCES	*4*	*90,674*	*115,944*	*1*	*74,940*	*99,100*
Entomology	1	28,066	33,402			
Food Science and Technology				1	74,940	99,100
Plant Pathology	1	14,663	19,340			
Veterinary and Animal Science	2	47,945	63,202			
FACULTY OF HUMANITIES AND FINE ARTS				*1*	*29,154*	*42,000*
Linguistics				1	29,154	42,000
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES	*6*	*127,212*	*159,601*	*7*	*170,401*	*225,700*
Anthropology	1	23,349	23,349	1	24,784	28,900
Economics				2	52,256	73,600
Political Science	1	18,000	24,118			
Psychology	4	85,863	112,134	4	93,361	123,200
FACULTY OF NATURAL SCIENCES AND MATHEMATICS	*30*	*730,660*	*938,892*	*35*	*809,676*	*1,026,227*
Biochemistry	5	114,470	150,974			
Botany				4	105,313	131,600
Chemistry	4	88,023	118,206	8	146,607	189,500
Geology and Geography	1	40,124	56,511	2	21,025	24,991
Mathematics and Statistics				6	43,338	60,900
Microbiology	8	210,365	265,541	1	11,600	11,600
Physics and Astronomy				13	473,343	597,036
Zoology	12	277,678	347,660	1	8,450	10,600
SCHOOL OF EDUCATION				*1*	*20,360*	*22,643*
SCHOOL OF ENGINEERING	*1*	*32,975*	*46,746*	*17*	*360,135*	*436,130*
Office of the Dean				1	37,670	37,670
Chemical Engineering				4	74,338	94,200
Civil Engineering				5	52,481	61,900
Commonwealth Industrial Technology				1	37,500	54,400
Electrical and Computer Engineering	1	32,975	46,746	4	95,626	113,600
Mechanical and Aerospace Engineering				2	62,520	74,360
GRADUATE SCHOOL	*4*	*117,324*	*149,014*	*12*	*484,387*	*589,381*
Offices of the Deans	1	24,014	24,014	3	101,181	101,181
Computer and Information Science	1	62,710	81,845	1	50,578	70,500
Marine Station				1	21,980	29,800
Polymer Science and Engineering				1	[illegible]	[illegible]

TABLE IV: TOTAL FUNDS RECEIVED FROM NIH AND NSF

FOR FY 1973 - BY ACADEMIC UNIT

	NATIONAL INSTITUTES OF HEALTH			NATIONAL SCIENCE FOUNDATION		
	NG	$ DIRECT	$ TOTAL	NG	$ DIRECT	$ TOTAL
UNIVERSITY OF MASSACHUSETTS AT BOSTON	*3*	*63,260*	*81,023*	*4*	*36,019*	*41,410*
TOTAL COLLEGES I, II, & III	*3*	*63,260*	*81,023*	*3*	*29,809*	*35,200*
Biology	1	28,210	33,068	2	24,799	28,300
Chemistry	2	35,050	47,955			
Physics				1	5,010	6,900
OFFICE OF THE CHANCELLOR				*1*	*6,210*	*6,210*
UNIVERSITY OF MASSACHUSETTS AT WORCESTER	*11*	*279,472*	*343,041*	*2*	*66,212*	*81,000*
INSTRUCTION	*10*	*265,058*	*328,627*	*2*	*66,212*	*81,000*
Anatomy	1	11,574	13,744	1	29,976	38,000
Biochemistry	3	100,580	130,855	1	36,236	43,000
Microbiology	3	92,931	109,446			
Physiology	3	59,973	74,582			
OFFICE OF THE DEAN	*1*	*14,414*	*14,414*			
ALL CAMPUSES				*1*	*5,708*	*5,708*
OFFICE OF THE PRESIDENT				*1*	*5,708*	*5,708*
TOTAL UNIVERSITY	*59*	*1,441,577*	*1,834,261*	*81*	*2,056,992*	*2,569,299*

TABLE V: COMPARISON OF FUNDS RECEIVED BY UMA FOR FY 1972 AND FY 1973

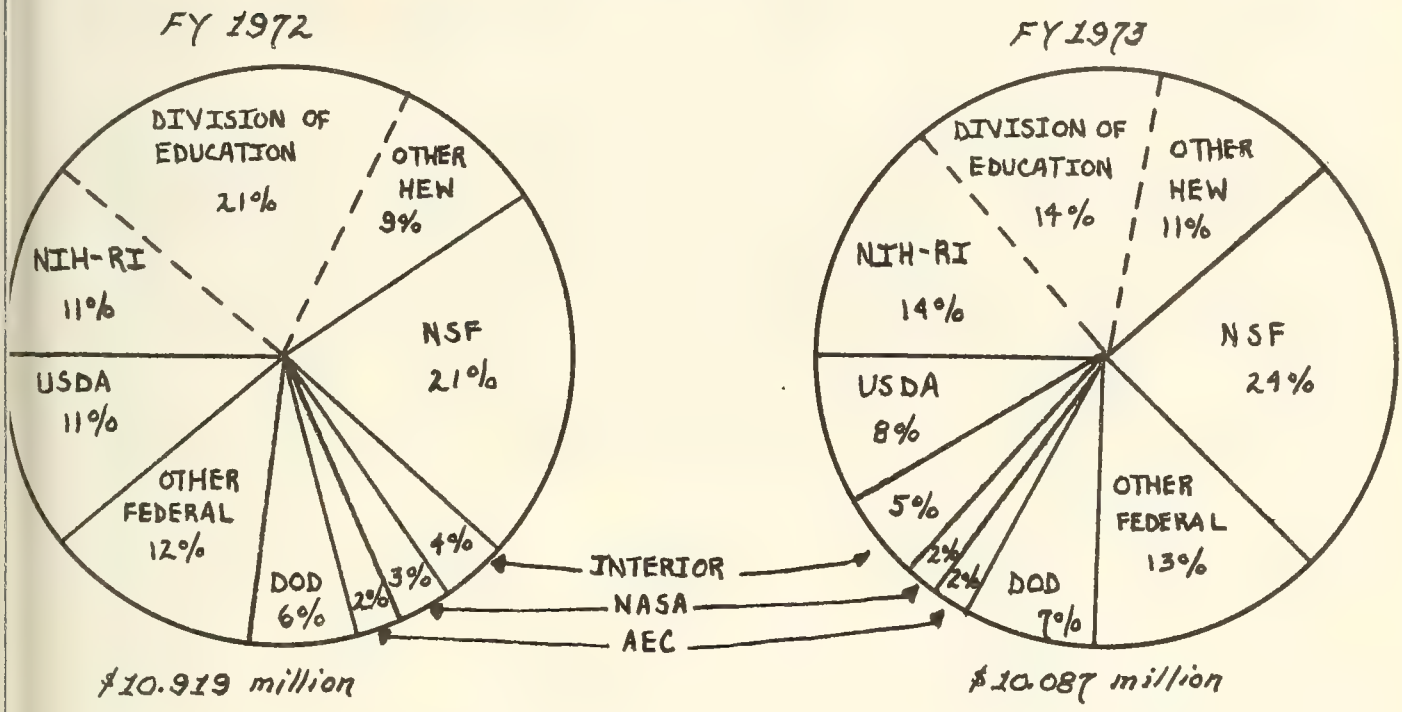
BY MAJOR FEDERAL AGENCIES AND BY ORGANIZATION TYPES FOR NON-FEDERAL SOURCES

SOURCES OF FUNDS	FISCAL YEAR 1972 TOTAL AMT. (millions)	FISCAL YEAR 1972 % DISTRIBUTION	FISCAL YEAR 1973 TOTAL AMT. (millions)	FISCAL YEAR 1973 % DISTRIBUTION
National Institutes of Health - Research Institutes	$1.212	11.1	$1.410	14.0
Division of Education (includes OE & NIE)	2.290	21.1	1.434	14.2
Other D/Health, Education and Welfare	0.934	8.6	1.062	10.5
National Science Foundation	2.339	21.4	2.441	24.2
U. S. Department of Agriculture	1.155	10.6	0.784	7.8
Department of the Interior	0.427	3.9	0.468	4.6
National Aeronautics & Space Administration	0.297	2.7	0.222	2.2
Atomic Energy Commission	0.235	2.1	0.250	2.4
Department of Defense	0.704	6.4	0.750	7.4
Other Federal Agencies	1.326	12.1	1.266	12.7
Federal Subtotal	10.919	100.0	10.087	100.0
State Agencies	0.748	26.4	1.019	28.8
Massachusetts Organization	0.470	16.6	0.511	14.4
Industrial Contracts	0.136	4.8	0.269	7.6
Foundations	0.701	24.7	1.131	31.9
Other non-Federal Agencies	0.779	27.5	0.613	17.3
Non-Federal Subtotal	2.834	100.0	3.543	100.0
TOTAL	13.753		13.630	

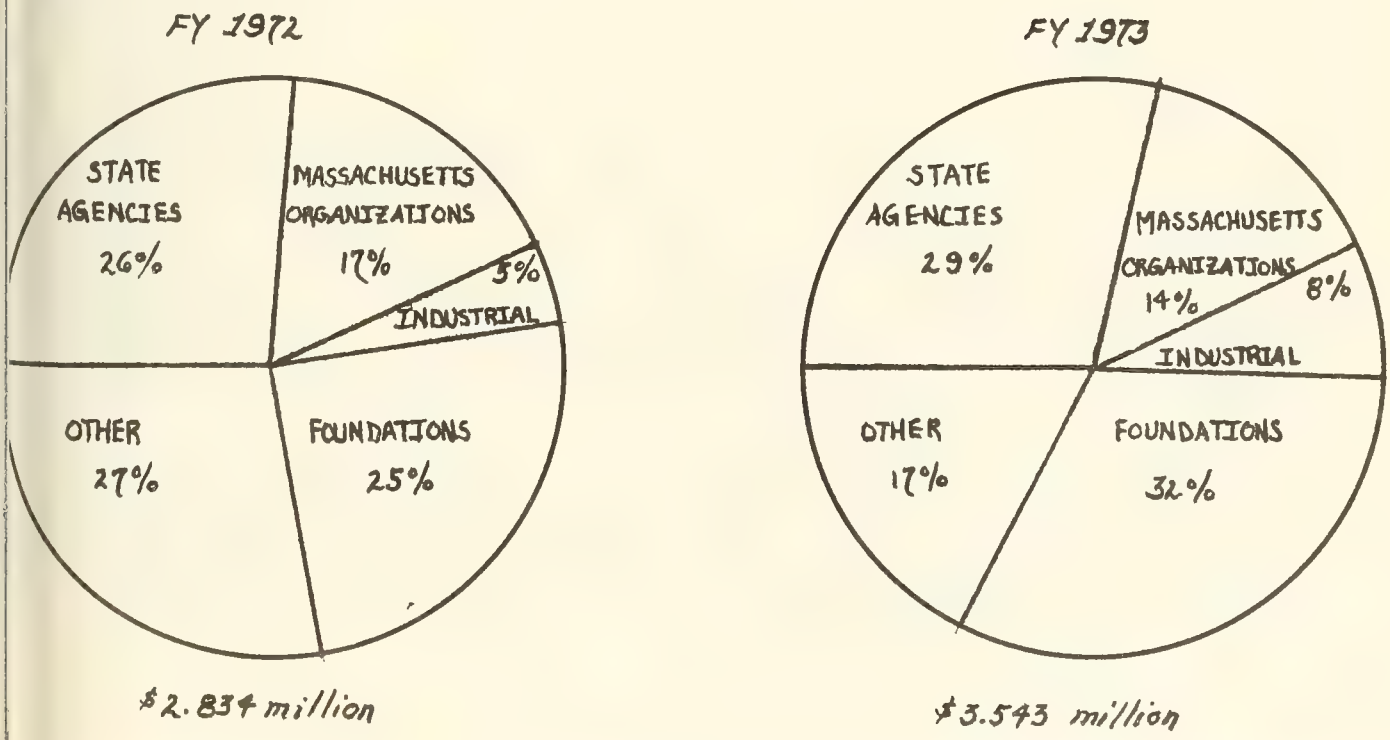
FIGURE B

SOURCES OF SUPPORT FOR UMA PROJECTS

FEDERAL



NON-FEDERAL



(Activities Supported)

Funds for specific projects may be received for the three broad areas of research, education and public service. Institutional support which in turn may be internally directed to these three missions is considered as a fourth general category.

The area of research may be further divided into "basic" and "applied". According to a nomenclature system being developed for internal purposes, other subcategories may be defined. It is true however that it is sometimes difficult to place a given project into an appropriate pigeonhole. Rough criteria have been used for this purpose and further refinements are in order. Because of changing definitions, it is impossible at present to make meaningful comparisons between two fiscal years. Consistency has been maintained during the course of the present fiscal year.

For the purposes of this report, all awards have been assigned to one of the nine subcategories:

Research
- Basic
- Applied
- Equipment

Education
- Fellowships
- Training
- Educational projects and/or curriculum development

Public Service
- Public Service projects
- Workshops and conferences

Institutional
- Institutional awards

These groupings are described in this section; the associated dollar levels for FY 1973 are presented in Table VI. Figure C presents an illustration of the distribution of these funds according to these categories.

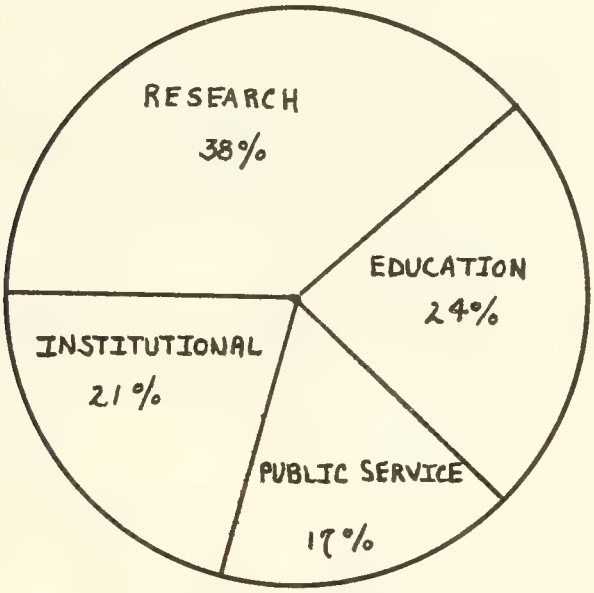
Research: The general area of "research" includes "basic" and "applied" projects. In general, "basic" research is considered to be a search for new knowledge whereas "applied" research is the utilization of knowledge toward a defined societal goal - whether the knowledge is new and to be determined as part of the project or has been previously obtained and is now to be put to a use that will benefit society.

At one time it was more common to receive funds for equipment awards. However such funding is now difficult to obtain. Nevertheless, "equipment" awards have been included in the research category since the equipment is used primarily for this purpose. (It should be emphasized that this category does not include the value of "excess property" obtained by faculty through research grants or contracts.)

FIGURE C

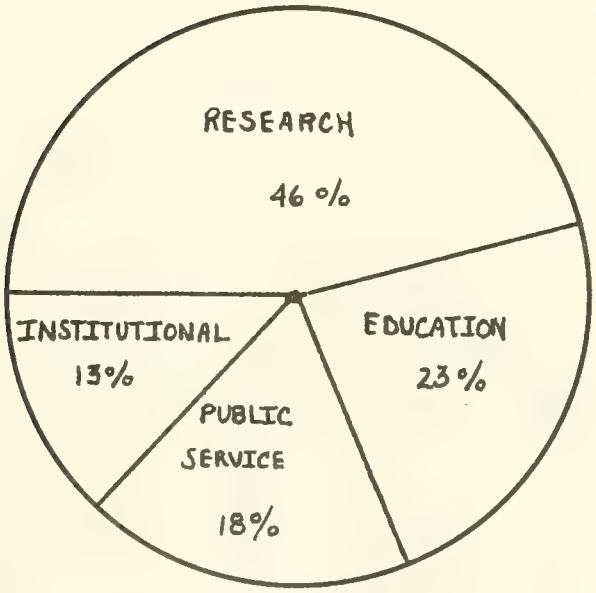
TOTAL AMOUNT DISTRIBUTED BY FUNCTION FISCAL YEAR 1973

UNIVERSITY



$17.699 million

AMHERST CAMPUS



$13.630 million

TABLE VI: SUMMARY OF TOTAL AMOUNTS RECEIVED IN FY 1973

ACCORDING TO THE FUNCTION OF THE AWARD

ADMINISTRATIVE UNIT	*RESEARCH*				*MANPOWER*				*WORKSHOPS & CONFERENCES*	
	BASIC		*APPLIED*		*TRAINING*		*FELLOWSHIPS*			
	NG	*$ AMOUNT*	*NG*	*$ AMOUNT*	*NG*	*$ AMOUNT*	*NG*	*$ AMOUNT*	*NG*	*$ AMOUNT*
Administrative Offices	2	30,680	-	-	-	-	-	-	1	2,000
College of Food and Natural Res.	30	591,635	20	150,650	-	-	2	7,645	-	-
Faculty of Humanities and Fine Arts	5	228,420	-	-	-	-	3	10,350	-	-
Faculty of Social and Behav. Sci.	27	695,364	-	-	3	170,143	6	38,449	1	1,800
Faculty of Natural Sci. & Math.	75	2,487,501	1	34,900	4	134,206	13	76,517	2	10,000
School of Business Administration	2	31,000	1	35,000	-	-	-	-	-	-
School of Education	1	2,430	-	-	8	533,364	-	-	3	34,143
School of Engineering	25	979,865	8	113,774	3	124,975	5	58,120	3	31,230
Graduate School	30	748,844	-	-	-	-	1	3,000	-	-
School of Home Economics	1	9,833	-	-	-	-	-	-	-	-
School of Nursing	-	-	-	-	2	99,359	-	-	-	-
School of Physical Education	-	-	-	-	-	-	-	-	-	-
Department of Public Health	-	-	-	-	3	62,057	-	-	1	9,223
Continuing Education	-	-	-	-	-	-	-	-	-	-
Amherst Campus	*198*	*5,805,572*	*30*	*334,324*	*23*	*1,124,104*	*30*	*194,081*	*11*	*88,396*
Boston Campus	*7*	*130,423*	*1*	*1,250*	*7*	*376,947*	-	-	*1*	*18,250*
Worcester Campus	*11*	*410,695*	-	-	-	-	*2*	*7,500*	-	-
All Campuses	-	-	-	-	*1*	*102,311*	-	-	-	-
UNIVERSITY TOTAL	*216*	*6,346,690*	*31*	*335,574*	*31*	*1,603,362*	*32*	*201,581*	*12*	*106,646*

TABLE VI: SUMMARY OF GRANTS AND DOLLAR AMOUNTS BY FUNCTION OF THE AWARD - PART II

ADMINISTRATIVE UNIT	*PUBLIC SERVICE*		*EDUCA. PROJ. & CURRI. DEV.*		*INSTITUTIONAL*		*EQUIPMENT*		*GRANT TOTAL*	
	NG	*$ AMOUNT*	*NG*	*$ AMOUNT*	*NG*	*$ AMOUNT*	*NG*	*$ AMT.*	*NG*	*$ AMOUNT*
Administrative Offices	10	458,374	4	436,600	2	97,880	1	14,490	20	1,040,024
College of Food and Natural Res.	5	131,500	-	-	2	717,282	-	-	59	1,598,712
Faculty of Humanities and Fine Arts	-	-	-	-	-	-	-	-	8	238,770
Faculty of Social and Behav. Sci.	5	46,080	-	-	1	225,000	-	-	43	1,176,836
Faculty of Natural Sci. & Math.	1	35,082	1	38,900	-	-	3	45,100	100	2,862,206
School of Business Administration	-	-	-	-	-	-	-	-	3	66,000
School of Education	16	1,681,147	15	1,186,059	-	-	-	-	43	3,437,143
School of Engineering	1	6,000	3	80,360	-	-	3	29,800	51	1,424,124
Graduate School	-	-	1	3,000	7	646,295	-	-	39	1,401,139
School of Home Economics	-	-	-	-	-	-	-	-	1	9,833
School of Nursing	1	27,121	2	26,148	2	94,597	-	-	7	247,225
School of Physical Education	1	25,000	-	-	-	-	-	-	1	25,000
Department of Public Health	-	-	-	-	-	-	-	-	4	71,280
Continuing Education	-	-	1	31,556	-	-	-	-	1	31,556
Amherst Campus	*40*	*2,410,304*	*27*	*1,802,623*	*14*	*1,781,054*	*7*	*89,390*	*380*	*13,629,848*
Boston Campus	*6*	*327,338*	*8*	*671,109*	*4*	*61,821*	*1*	*5,300*	*35*	*1,592,438*
Worcester Campus	*3*	*45,394*	-	-	*2*	*135,162*	-	-	*18*	*598,751*
All Campus	*4*	*105,626*	*1*	*3,000*	*4*	*1,666,930*	-	-	*10*	*1,877,867*
UNIVERSITY TOTAL	*53*	*2,888,662*	*36*	*2,476,732*	*24*	*3,644,967*	*8*	*94,690*	*443*	*17,698,904*

In FY 1973 UMA received $6.230 million for "research" activities, a slight decrease from its FY 1972 level of $6.253 million. The University in FY 1973 received $6.777 million, a slight increase above its FY 1972 level of $6.595 million. The difference of $547 thousand in FY 1973 between the level for UMA and the total University on a base of $6 million is indicative of the current high level of research performed at the Amherst campus vis-a-vis the other campuses of the University.

Education and Public Service: The overall educational missions of the University may be supported by funds for individual fellowships, for specific training grants or for an area designated as "educational projects and/or curriculum development".

A fellowship, being an individual award with an associated stipend, is easier to categorize than the other awards for "education". The major problem is the uncertainty of knowing about all such awards. Frequently this grant is made directly to the recipient and is not administered through the University. These awards may be omitted from the record unless the fellow provides necessary information about the award to the Office of the Associate Graduate Dean for Research.

Training grants are usually recognizably different from research proposals or individual fellowships. However, it is difficult to differentiate between some training proposals and those for "educational projects and/or curriculum development". This latter category was originally used for proposals from the School of Education, since the applications from this unit were for neither basic nor applied research in the usual sense. At the same time, these projects were not for training proposals as classically defined. Other parts of the University have also submitted similar non-research and non-training applications. In general, training proposals emphasize the production of trainees whereas the "EPCD" focuses on the improvement of the environment necessary for training.

In FY 1973 UMA received $3.121 million for such educational projects, which might be viewed as a significant 30% reduction from the previous year's level. However this reduction may be an artifact of definitional changes between "educational projects and/or curriculum development" and "public service".

During the first year of record-keeping, FY 1972, certain projects were identified as EPCD's for lack of a better classification. Having had a year's experience with the nomenclature, some projects formerly identified as educational projects have been redefined as public service on the grounds that the major clientele being addressed is outside of the University. Thus in FY 1973 the term "educational projects" has been held for student oriented programs and "public service projects" for those which are oriented to groups outside of the University who would benefit from the educational project.

The general area of public service also includes awards for workshops and conferences since the benefit again accrues to a clientele outside of the University. It should be emphasized that such awards may be made

for research or scientific content meetings. Nevertheless these awards are included in "public service" rather than under the category of "research". On this somewhat arbitrary classification system, UMA received $2.498 million for public service in FY 1973.

The total University in FY 1973 received $4.281 million for education and $2.996 million for public service activities.

Institutional grants are awarded by the Federal government (usually) to the University which assumes the responsibility for making suballocations to projects determined by the University or for other internally reviewed requests. Major examples are "USDA Hatch Funds for Agricultural Projects" and "USDA McIntyre-Stennis Funds for Agricultural Projects" administered through the College of Food and Natural Resources and Biomedical Sciences Support Grant funds and National Defense Education Act funds administered through the Graduate School. A prior section of this report indicated the significant reduction of three such UMA institutional programs, namely, (1) Hatch Funds for Agricultural Projects, (2) NDEA Graduate Fellowships and (3) NSF Graduate Traineeship Program. On the other hand, two large institutional programs identified as "all campus" have been included for the first time; these are the College Work-Study program and the Educational Opportunity Grant program.

In FY 1973 UMA received $1.781 million for institutional awards; the total University received $3.645 million.

The University in fiscal year 1973 received twelve awards at individual levels in excess of $200 thousand. These awards, identified in Table VII, account for $4.894 million of the $17.699 million (i.e., 27.6%) received by the University. An additional 23 awards were received for projects of $100 thousand or more at a total of $3.086 million or 17.4% of the University's total. Thus 45% of the FY 1973 funds supported 35 of the 443 projects (7.9%) awarded during the year.

COMMENTS ON METHODOLOGY

(An Apologia)

Last year's report began with a section on methodology and an emphasis on what has been included in the report as well as what must, for practical reasons, be excluded. Since it is recognized that most readers are interested in the results of the analyses rather than how they are obtained, the sequence has been changed for the current report. However, it must be emphasized that the "methodology" is a very important consideration if misunderstandings are to be minimized. It is equally recognized that such "misunderstandings" cannot be eliminated. Individual readers will note with anguish and occassional ire a "missing" award or an improper attribution. Departments will be disturbed because the tables and accompanying listings do not show levels as high as those obtained from their own internal records. Some will "use" the data as a justification for other actions. Obviously these are not the purposes of this report. If, indeed, this report leads to a decrease in interdisciplinary

TABLE VII: UNIVERSITY AWARDS IN EXCESS OF $200,000

PROJECT DIRECTOR ADMINISTRATIVE UNIT	TOTAL $ AMT.	SOURCE TITLE OF PROJECT
Robert C. Wood President's Office	873,247	Office of Education, D/HEW Educational Opportunity Grants Program
Robert C. Wood President's Office	755,475	Office of Education, D/HEW College Work-Study Program
Arless A. Spielman Col. Food & Nat'l Res.	656,872	U. S. Department of Agriculture Hatch Funds for Agricultural Projects
Dorothy Marshall Provost's Office - UMB	400,000	Carnegie Corporation Career Development of Women Students
Atron A. Gentry School of Education	368,820	New York City Board of Education Career Opportunities Program
David S. Flight School of Education	320,500	Ford Foundation Executive Leadership Program
Gregory A. Anrig Chancellor's Office - UMB	303,230	Ford Foundation Institute for Learning and Teaching
Raymond Wyman School of Education	302,497	Office of Education Northeast Regional Media Center for the Deaf
David M. Schimmel School of Education	247,592	Office of Education D/HEW Sixth Cycle Teacher Corps Project
Frank E. Karasz Polymer Science & Eng.	225,000	National Science Foundation Research Materials Laboratory
Richard T. Louttit Psychology - UMA	225,000	Grant Foundation Springfield Child Research Facility
Rhody A. McCoy School of Education	215,900	Department of Labor Summer Educational & Cultural Program for Underprivileged Children

research or interdepartmental cooperation, one might suggest that the report should be eliminated. This reaction and result would be unfortunate. This report does not make "value judgements". Yet it is recognized that readers may use the "data" to make such "judgements". This is probably inevitable; it may be unfortunate.

The basic data of this report are those provided to the Graduate School Office responsible for research administration. Every attempt has been made to record awards received by members of the University. Cross-references have been made with the Accounting Office of the Amherst campus. When possible we have tried to verify our records by communication with individual investigators and project directors. Hopefully, our omissions and errors are minimal. Yet we anticipate that individuals will bring these to our attention. Obviously, we can report only those items of which we are aware. Even then we may differ with individuals on the appropriateness of the inclusion of such information in this report.

(Comments on Fiscal Year)

Fiscal year 1973 is the period from July 1, 1972 through June 30, 1973. In order for an award to be included in the FY 1973 report, it must have a begin date between 07-01-72 and 06-30-73.

The intentions for reporting on a fiscal year basis are two-fold: (1) most governmental reports utilize a fiscal year of July 1 - June 30 rather than an academic year or calendar year and there is a need to provide corresponding information and (2) a data base should be able to provide information on trends. This second requirement leads to a record keeping technique which may cause the apparent omission of certain awards.

In order to develop trend data, only "fresh money" is recorded. If an NSF grant for $20,000 were awarded with a begin date of September 1, 1971 for a total two-year period of September 1, 1971 through August 31, 1973, we would consider this to be a $20,000 grant for fiscal year 1972, the period between 07-01-71 and 06-30-72. Such a grant would not be identified in the listing for fiscal year 1973 even though the grant would be "active" in FY 1973 and the investigator had money available during this period. The record is not pro-rated for multiple year awards; all of the dollars are assigned to the fiscal year corresponding to the begin date of the grant.

If a grant receives new funds during a continuation year, the funds are attributed to the appropriate fiscal year. Thus, if an investigator received an NIH grant with a begin date of September 1, 1971 for a total two-year period of September 1, 1971 through August 31, 1973 in which an award statement for the budget period of 09-01-71 through 08-31-72 identifies $10,000 and a later award statement for the budget period 09-01-72 through 08-31-73 identifies another $10,000, the records would list $10,000 for FY 1972 and $10,000 for FY 1973. The second budget period and separate award for FY 1973 would allow the grant to be recorded in the current report.

On this basis certain investigators having "active" grants may not be identified in this year's annual report because the original award was received

in a previous fiscal year. Presumably these awards appeared in last year's report. Other investigators may be shown to have less funding than they perceive they have, because only those funds received during the fiscal year are given in the current report. The NSF investigator may feel slighted because no grant is recorded in FY 1973 and the NIH investigator because only "half the funds" are identified in FY 1973. However, if both were to be satisfied, this report would identify a total of $40,000 received in FY 1973 whereas the University, from these two hypothetical grants, had really received only $10,000 during the period 07-01-72 through 06-30-73, that is <u>in</u> FY 1973.

(Comments on "Total" Amounts)

The analyses given in this report have used the term "total dollar amount" or "total award". The listings will identify such "total" amounts as well as "direct" amounts/costs/awards and "indirect" amounts/costs/awards. It is highly important to recognize what is meant by these terms: total, direct and indirect. A fourth term, "available funds", is not explicitly used in this report but is needed to have a more complete appreciation of answering the simple question: how much money was received in FY 1973? An example may clarify these terms.

Doctor Jones receives an award from the NIH for a direct cost of $40,000 for a two-year period -- with $20,000 to be awarded in FY 1972 and $20,000 in FY 1973. In each budget period $10,000 is to be awarded for personnel costs. The award statement for FY 1972 would show:

personnel	$10,000	TOTAL AWARD:	$24,600
all other	10,000	amount avail:	24,600
DIRECT COST	20,000		
INDIRECT COST	4,600	(rate of 46.0% S&W)	
"awarded amt"	24,600		
future award	20,000		

Our records for this FY 1972 award would show:

$ direct	$ indirect	$ total	($ available)
20,000	4,600	24,600	(24,600)

However, Doctor Jones was not able to hire an assistant and thus had a carryover to FY 1973 of $5,000. The award statement would show for FY 1973:

personnel	$10,000	TOTAL AWARD:	$19,720
all other	10,000	amount avail:	24,720
DIRECT COST	20,000		
INDIRECT COST	4,720	(rate of 47.2% S&W)*	
"awarded amt"	24,720		
carryover	5,000		
future award	-0-		

* The University's indirect cost rate was increased to 65% of salaries and wages for FY 1974.

Thus in FY 1973 the University received as new money only $19,720 rather than $24,720. Our records for this FY 1973 award would show:

$ direct	$ indirect	$ total	($ available)
20,000	4,720	19,720	(24,720)

The individual listing for this grant would be:

	awarded direct	total award
Jones	$20,000	$19,720

There would be an apparent anomally of a total dollar level being less than the direct cost. Yet such a listing indeed shows that the University received $19,720 as "fresh" money and that Doctor Jones has $20,000 for the direct costs of his project.

On the other hand it is also important to summarize the individual listings. To simplify our example, let's say Doctor Jones is the only one to receive a grant in Dept. XYZ. A summary table for this department would indicate:

	NG	N. FAC.	$ Direct	$Indirect	$ Total
Dept. XYZ	1	1	20,000	4,720	19,720

Here would be an apparent anomally of a total dollar level being less than the summation of the direct cost and the indirect cost. Yet the listing does show that the University received $19,720 in "fresh" money, that it has potentially available $4,720 for indirect costs and that Doctor Jones has $20,000 for the direct cost of the project.

Since the University is interested in knowing the level of fresh money, as well as the level of potentially available indirect costs, and since the investigator wishes to present the annual direct costs of an award, this method of reporting appears to be the best compromise to meet individual as well as institutional needs.

In order to estimate the indirect costs, the usual procedure would be to subtract the direct cost from the total award. This method will yield an accurate answer so long as there are no carryover funds.

According to Table II the University received $17,698,904 in total funds and $16,141,586 for direct costs. The calculated difference of $1,557,318 would be the estimated indirect cost. However, this table shows that the actual indirect costs for the University amounted to $1,783,171. One might question whether this indeed is the "actual" indirect cost. This amount would be the "actual" indirect cost provided that (a) all of the personnel called for in the individual budgets were actually employed, (b) the actual salaries given in the budget were paid and (c) these salaries were expended during fiscal year 1973. The University receives indirect costs only for salaries actually expended as the personnel funds are expended. Merely including personnel costs in a budget does not guarantee that indirect costs will really be received. Thus, for planning purposes the calculated indirect cost, i.e. the difference between the total funds and the direct costs (or

an estimate based upon anticipated personnel costs), is usually used when an estimate is made for the University's Research Trust Funds.

Table II indicates that UMA received $13,629,848 for total costs and $12,170,013 for direct costs to give a calculated indirect cost of $1,459,835. The summation of the individual indirect costs is $1,582,728. For FY 1972 the calculated indirect cost was $1,471,991; the summation of the individual indirect costs was $1,599,205. The annual differences of $127,000 in FY '72 and of $123,000 in FY '73 are reflections of the carryover funds.

Since the indirect costs make up the University's Research Trust Funds, which are the only source of "flexible" funding in the University, a brief analysis of these funds may be appropriate. In FY 1973, UMA had a calculated indirect cost level of $1.460 million. About 91.3% of these funds ($1,332 million) are derived from the Federal government. Moreover 60% of the Federal indirect costs are a result of grants from the National Science Foundation and the research institutes of the National Institutes of Health. An additional ten percent comes from contracts from the research support agencies of the Department of Defense (Office of Naval Research, Air Force Office of Scientific Research and Army Research Office/Durham). On the other hand, although 21% of the total costs coming to UMA are from the U. S. Office of Education, only 2% of the campus' indirect costs are derived from this agency. At the same time, 11% of the Amherst total funds are for USDA awards; yet, no indirect costs are obtained from this Federal agency.

The ratio of the indirect cost to the total cost is also of interest. For the NSF, the ratio indicates that 20.2% of the total funds are attributable to indirect costs; for the NIH research institutes, 22.1% of the total costs are for indirect costs. For all Federal awards 13.2% of the total costs are for indirect costs.

Table VIII presents a summary of the indirect costs received by UMA in FY 1973 according to the funding source.

(Comparisons of Average Awards)

It is sometimes desirable to compare average awards. This section presents a few such comparisons and provides comments on the appropriateness of exclusions to calculate more meaningful averages.

"Numbers of grants" (NG) are given in the tables and listings of this report. It should be emphasized that this term (grant) includes "contracts" as well as "fellowships". In most instances the term "grant" is used generically for "award" regardless of the actual mechanism of support. In a similar way the abbreviation N.FAC for "number of faculty" includes student fellowships as well as awards made for projects under the direction of the non-teaching professional staff.

Table II shows that the University received 443 awards (grants) in FY 1973 at a direct cost of $16.141 million. The "average" award might be calculated to be $36,952 on the basis of total costs with a calculated

TABLE VIII: SUMMARY OF INDIRECT COSTS RECEIVED BY UMA IN FY 1973

AGENCY	*$ TOTAL*	*$ DIRECT*	*CALCULATED $ INDIRECT*	*ACCUMULATED $ INDIRECT*	*% DISTRIBUTION (INDIRECT)*	*ACCUM % (INDIRECT)*	*RATIO OF INDIRECT/TOTAL FOR AGENCY*
NSF	2,441,181	1,949,053	492,128	492,128	36.9	36.9	0.2016
NIH-RI	1,410,197	1,098,845	311,352	803,480	23.4	60.3	0.2208
DOD	750,159	624,035	126,124	929,604	9.5	69.8	0.1681
HSMHA	497,386	404,915	92,471	1,022,075	6.9	76.7	0.1859
AEC	250,360	190,729	59,631	1,081,707	4.5	81.2	0.2382
INTERIOR	468,013	416,294	51,719	1,133,425	3.9	85.1	0.1105
NASA	221,812	179,607	42,205	1,175,630	3.2	88.3	0.1903
AID	178,412	148,425	29,987	1,205,617	2.3	90.6	0.1681
DIV. ED	1,433,972	1,406,950	27,022	1,232,639	2.0	92.6	0.0188
FDA	93,821	68,340	25,481	1,258,120	1.9	94.5	0.2716
DOL	234,670	214,212	20,458	1,278,578	1.5	96.0	0.0872
SOC. SEC. ADM.	73,692	57,077	16,615	1,295,193	1.2	97.2	0.2255
USDA	784,382	784,382	-0-	1,295,193	0.0	97.2	0.0000
OTHER FEDERAL	1,249,339	1,212,232	37,107	1,332,300	2.8	100.0	0.0297
TOTAL FEDERAL	10,087,396	8,755,096	1,332,300		100.0		0.1321
NON-FEDERAL	3,542,452	3,414,917	127,535	1,459,835			

indirect cost (the difference between the average total and the average direct cost) of $3,512. However, it was pointed out in a previous section that 45% of the FY 1973 funds support 8% of the projects. Consequently this calculation is not appropriate for a determination of an "average" grant.

A more meaningful result might be obtained from the data of Table VI which show a total of 247 grants for basic and applied research at a total amount of $6,682,264. The average total cost for such a grant would be $27,054. The data of this table may be used to calculate the averages given below:

	Average Awards for FY 1973 (Total Costs)			
	UMA	UMB	UMW	University
Research	$26,930	$16,459	$37,336	$27,054
Training	48,874	53,850	*	51,721
Conference	8,036	*	*	8,887
Public Service	60,258	54,556	*	54,503
Ed. Proj./Curr.	66,764	83,889	*	68,798
Institutional	127,218	*	*	151,874
Equipment	12,770	*	*	11,836

*Each average is based upon at least six awards; these units do not have this minimum number of awards for the given category.

The average total cost for a UMA research grant is $26,930. Table VIII shows that the NSF, NIH, DOD, AEC, NASA and HSMHA (which includes NIMH)** furnish 84.4% of the indirect costs for the Amherst campus. Moreover, these agencies provide almost all of the "research" grants received. For these six agencies, the average ratio of the indirect cost to the total cost shows that 20.1% of the total cost is for indirect costs. Therefore, $5,413 of the $26,930 is for indirect costs for an average UMA research grant. During FY 1973 the indirect cost rate for such Federal grants was 47.2% of salaries and wages. In order to yield $5,413 for indirect costs, the personnel budget category would be $11,468. According to these calculations the average Federal research grant at UMA would consist of:

personnel	$11,468
other costs	10,049
direct costs	21,517
indirect costs	5,413
total award	$26,930

Table IV provides data for the number of grants, direct costs and total costs for grants from the NIH and the NSF according to the departments or units receiving them. Using these data one can calculate the average grant for a research project in the Faculty of Natural Sciences and Mathematics for each agency.

** In FY 1973 the Health Services & Mental Health Administration included the National Institute of Mental Health.

Average Science/Math Grant

Agency	NSF	NIH
personnel	$14,705	$13,106
other costs	9,650	10,028
direct	24,355	23,134
indirect costs	6,941	6,186
total award	31,296	29,320
number of years	2	1

At first glance it might appear that the average science or mathematics grant from these two primary support agencies have "equivalent" direct costs, indirect costs and totals. It must be noted that most NSF grants are for a two year project whereas most NIH awards are for a single budget year. Consequently the NSF personnel funds may need to be spread over two years of summer salary for faculty investigators.

It should be apparent at this point that there is no "average award". The average depends upon the nature of the award, the agency making it, and the usual period allowed for the grant - to name a few major variables. Total costs and indirect costs depend upon the indirect cost rate applied. For research projects this rate in FY 1973 was 47.2% of salaries and wages for Federal grants. Non-Federal research grants may have no indirect cost. Federal training grants and awards from the Office of Education, by law, have an indirect cost rate of 8% of the direct cost rather than an "S&W" rate of 47.2%.

However, most disciplines have a similarity of award types and granting sources so that it is convenient - although perhaps inaccurate - to make the following comparisons:

Average Award For

Discipline	$ Direct	$ Total	$ Indirect
education	76,650	79,930	3,280
physics/astronomy	39,190	49,030	9,840
psychology	32,860	38,960	6,100
humanities	25,680	29,850	4,170
engineering	24,400	27,970	3,570
biochemistry	24,750	30,140	5,390
botany	24,040	28,420	4,380
microbiology	21,674	25,920	4,246
zoology	21,390	26,840	5,450
geology	14,630	18,760	4,130
polymer science	14,130	17,900	3,770
chemistry	13,710	17,220	3,510
mathematics	7,220	10,150	2,930

HOW TO USE COMPUTER LISTINGS

There are eight computer listings with cross-relatable information. The following table may be of assistance in determining these interrelationships:

Appendix	A	B	C	D	E	F	G	H
Title of Listing	PI	Co-PI	Acad. Unit	Co-PI Ac. Unit	PI-Two Ac. Units	Agency	Non-Fed. Agency	Pro Typ
(ITEM)	(ITEM PRESENT IN LISTING)							
PI	yes	yes	yes	no	yes	yes	yes	yes
Co-PI	yes	yes	no	yes	no	no	no	no
OCR #	yes	yes	yes	yes	yes	yes	yes	yes
Dept. of PI	yes	no	yes	no	yes	yes	yes	no
Campus of PI	yes	yes	yes	yes	yes	yes	yes	no
Dept. of Co-PI	no	yes	no	yes	yes	no	no	no
Campus of Co-PI	no	no	no	yes	no	no	no	no
Awarding Agency	no	no	yes	yes	no	yes	yes	no
Award begin date	no	no	yes	yes	no	no	no	no
Awarded direct cost	no	no	yes	yes	no	yes	yes	no
Total Award	no	no	yes	yes	no	yes	yes	no
Grant number	no	no	no	no	no	yes	no	no
Program type	no	no	no	no	no	no	no	yes
Project title	no	no	no	no	no	no	no	yes

By using the above table, a reader should be able to refer to the appropriate listing to obtain administrative and fiscal data for an award.

Lists A, B, and H are ordered alphabetically by the name of the principal investigator (A and H) or the co-investigator (B).

A separate table of contents is given for List C. Subtotals are given for the dollar levels for each department; a major subtotal is provided for the correspondin College/School/Faculty/Administrative Unit. A grand total is given for each Campus.

List F may be the most difficult to use in that the reader needs an appreciatio for the organizational relationships of Federal agencies to interpret the various subtotals. The separate table of contents should help. An attempt has been made to associate an award with as specific an organization as possible. Since not all awards refer to specific agencies or bureaus within a Federal Executive Department, a "general" category is given to contain such awards. The Office of Naval Research, for example, is the subagency of the Department of the Navy (which, in turn, is a "bureau" of the Department of Defense) that usually awards research contracts. However, since other components of the Navy Department also make awards, these awards are identified under the heading, "Navy - General". This method allows for specific subtotals for the ONR as well as for the Department of the Navy and the Department of Defense. Within each supporting agency subdivision, the awards are listed by "academic department" (within a given College/School/Faculty) and alphabetically by principal investigator within the academic department. With a few minutes on an adding machine, a reader could determine how much support a given department receives from a given agency.

A new listing is provided this year, List G, for non-Federal agencies. This listing is ordered alphabetically by the name of the agency to provide a more ready determination of the sources of non-Federal support.

List H is ordered alphabetically by the name of the principal investigator. The purpose of this listing is to identify the title of the project and the type of project - research, training, public service, etc.

In order to assist in cross-referencing, list D has been included this year to summarize fiscal data for single awards to individuals in 'second' units. Also, list E has been added to show cases of interdisciplinary projects.

(Comments on Definitions)

The following comments are offered so that readers may have an idea of what has been recorded in our computer system and what has been presented here.

Prinicpal Investigator - the complete name of the individual is whose name the award has been made. This information is taken from the Internal Processing Form, the proposal, or the award notice. For a training grant, this is the name of the program director; for a fellowship it is the name of the fellow.

Co-investigator - the last name and initial(s) are given. The information is taken from the Internal Processing Form, the proposal or the award notice. If a project identifies more than one "Co-PI", the one with the greater percent effort on the project is taken. Our record can identify only one "co-investigator". For projects from the School of Education, this is the name of the "program director" or "project director". For fellowships this is the name of the faculty sponsor.

OCR Number - this is a unique identification number assigned to each proposal processed through the "Office of the Coordinator of Research." The first two digits refer to the fiscal year of the proposal. The third digit refers to the nature of the grant. A "zero" appears in all grants receiving outside support. (A 2 in this field would, for example, refer to a Faculty Research Grant.) The last three numbers are serially assigned. The OCR number should be used in cross-referencing in instances in which a principal investigator has more than one award.

Department - this term applies to academic departments within a College/School/Faculty as well as to other administrative units such as "Water Resources Research Center", "School of Education", "Department of Public Health". Attempts have been made to use a name "acceptable" to the "department". Names and organizational relationships current during FY 1973 have been used.

Campus - Amherst, Boston, or Worcester. The designation "All Campus" refers to awards to the President's Office or to organizational elements therein, e.g. Institute of Governmental Services, which relate to no specific campus of the University but to all of them.

Awarding Agency - an attempt has been made for specificity whenever possible, thus National Institute of General Medical Sciences rather than National Institutes of Health.

Begin date - the date on which the budget period begins for an award made for a project in fiscal year 1973, the period 07-01-72 through 06-30-73.

Awarded direct - dollar amount awarded in FY 1973 for the direct costs of the project.

Total award - dollar amount awarded to the University in FY 1973. This value takes into consideration the direct costs, indirect costs, and unobligated carryover funds. As discussed above, it may be "less" than the recorded direct cost because of the unobligated carryover. The value refers to "fresh" or "new" funds to the University.

Grant Number - identifying number assigned by the Federal agency supporting the project. It is omitted from all non-Federal listings, since few private sources utilize grant numbers. The term "grant" includes contracts as well as fellowships and other award mechanisms.

Program Type - this term was discussed above. It refers to "research-basic", "research-applied", "training", "educational project and/or curriculum development", etc.

Project Title - brief title for the project. If the original title exceeded 79 characters and spaces, it has been modified to fit our computer records.

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
ADERHOLD JAMES L JR	CAMERINO P W	730760	CHEMICAL ENGINEERING	AMHERST
ADRIAN DONALD D	FENG T H	720177	CIVIL ENGINEERING	AMHERST
ADRIAN DONALD D	FENG T H	720411	CIVIL ENGINEERING	AMHERST
ALLEN DWIGHT W		720631	SCHOOL OF EDUCATION	AMHERST
ALLEN DWIGHT W	CHRISTENSEN P	720586	SCHOOL OF EDUCATION	AMHERST
ALLEN DWIGHT W	MELNIK M	730006	SCHOOL OF EDUCATION	AMHERST
ALPER JOSEPH S		730790	CHEMISTRY	BOSTON
ANDERSON DANIEL R		730070	PSYCHOLOGY	AMHERST
ANRIG GREGORY R		730744	OFFICE OF THE CHANCELLOR	BOSTON
ANRIG GREGORY R	BRODERICK F L	730437	OFFICE OF THE CHANCELLOR	BOSTON
ANSELME JEAN-PIERRE L		730045	CHEMISTRY	BOSTON
APPLEY MORTIMER H		730662	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
ARBIB MICHAEL A		730389	COMPUTER AND INFORMATION SCIENCE	AMHERST
ARBIB MICHAEL A	MANES E	720519	COMPUTER AND INFORMATION SCIENCE	AMHERST
ARCHER ROBERT R	STEUCEK G L	720611	CIVIL ENGINEERING	AMHERST
AVERILL BARRY W		730167	UNIVERSITY HEALTH SERVICES	AMHERST
AVERILL JAMES R		730387	PSYCHOLOGY	AMHERST
AYRES BARBARA		730639	ANTHROPOLOGY	BOSTON
AYRES JOHN J B		720414	PSYCHOLOGY	AMHERST
BALINTFY JOSEPH L		730092	GENERAL BUSINESS AND FINANCE	AMHERST
BALINTFY JOSEPH L		730570	GENERAL BUSINESS AND FINANCE	AMHERST
BARKER ALLEN V	MAYNARD D N	720049	PLANT AND SOIL SCIENCES	AMHERST
BARNES RAMON M		730788	CHEMISTRY	AMHERST
BEAN JOAN P		720316	PSYCHOLOGY	AMHERST
BEMBEN STANLEY M		730565	CIVIL ENGINEERING	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	DCR NO	DEPARTMENT	CAMPUS
BEMBEN STANLEY M	STOKOE K H	730564	CIVIL ENGINEERING	AMHERST
BENNETT RUTH R		720435	BIOLOGY	BOSTON
BERGER BERNARD B		720445	WATER RESOURCES RESEARCH CENTER	AMHERST
BERGHAN KOSTIA	LEIGHTON T S	730398	MICROBIOLOGY	WORCESTER
BIRNBAUM LINDA S	PARSONS P F	730785	MICROBIOLOGY	AMHERST
BLACK DONALD L		730516	VETERINARY AND ANIMAL SCIENCE	AMHERST
BOOTHROYD GEOFFREY		720561	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
BRANDTS JOHN F		730375	CHEMISTRY	AMHERST
BROWN DONALD		720354	PROVOSTS OFFICE	AMHERST
BROWN DONALD		730523	PROVOSTS OFFICE	AMHERST
BROWN DONALD		730805	PROVOSTS OFFICE	AMHERST
BURGIN RUTH W		730036	OFFICE OF THE CHANCELLOR	AMHERST
BURN BARBARA B		730362	INTERNATIONAL PROGRAMS	AMHERST
BUTCHER REGINALD W		730129	OFFICE OF THE DEAN(MEDICAL SCHOOL)	WORCESTER
BUTCHER REGINALD W	HITTELMAN K J	730087	BIOCHEMISTRY	WORCESTER
CAMERINO PAT W		720553	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
CAMERINO PAT W		730384	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
CANALE-PAROLA ERCOLE		730157	MICROBIOLOGY	AMHERST
CAREW DONALD K		730219	SCHOOL OF EDUCATION	AMHERST
CARLSON DAVID S	ARMELAGOS G J	730780	ANTHROPOLOGY	AMHERST
CARLSON DAVID S	ARMELAGOS G J	730781	ANTHROPOLOGY	AMHERST
CARLSON NEIL R		730494	PSYCHOLOGY	AMHERST
CARPINO LOUIS A		730789	CHEMISTRY	AMHERST
CARTER CLINT E	FAIRBAIRN D	730124	ZOOLOGY	AMHERST
CASE JAMES A		730429	OFFICE OF THE CHANCELLOR	BOSTON

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CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
CASE JAMES A		730775	OFFICE OF THE CHANCELLOR	BOSTON
CASE JAMES A		730776	OFFICE OF THE CHANCELLOR	BOSTON
CHIEN JAMES C W		720465	CHEMISTRY	AMHERST
CHIEN JAMES C W		730082	CHEMISTRY	AMHERST
CHIEN JAMES C W		730125	CHEMISTRY	AMHERST
CHIEN JAMES C W		730604	CHEMISTRY	AMHERST
CHLAPOWSKI FRANCIS J		730626	ANATOMY	WORCESTER
CHRISTENSEN ROBERT L		730738	AGRICULTURE AND FOOD ECONOMICS	AMHERST
CHRISTENSEN ROBERT L		730764	AGRICULTURE AND FOOD ECONOMICS	AMHERST
CLARK SAM L JR	SCHNEIDER G B	730291	ANATOMY	WORCESTER
CLIFTON CHARLES E JR		720297	PSYCHOLOGY	AMHERST
CLIFTON CHARLES E JR	BALAGURA S	720212	PSYCHOLOGY	AMHERST
CLIFTON RACHEL K		730388	PSYCHOLOGY	AMHERST
COLONELL JOSEPH M	PICHA K G	720284	OFFICE OF THE DEAN(ENGINEERING)	AMHERST
COX CHARLES D		720095	MICROBIOLOGY	AMHERST
COX CHARLES D		720285	MICROBIOLOGY	AMHERST
COX CHARLES D		720395	MICROBIOLOGY	AMHERST
CROSS CHESTER E		730062	CRANBERRY EXPERIMENT STATION	AMHERST
CROSS CHESTER E		730774	CRANBERRY EXPERIMENT STATION	AMHERST
CROSS CHESTER E	DEUBERT K H	730165	CRANBERRY EXPERIMENT STATION	AMHERST
CROSSLEY F R ERSKINE		720612	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
DANIELS MARYANN		730794	OFFICE OF THE CHANCELLOR	BOSTON
DARITY WILLIAM A	GROSS A	720174	DEPARTMENT OF PUBLIC HEALTH	AMHERST
DENT WILLIAM A		730048	PHYSICS AND ASTRONOMY	AMHERST
DEVLIN ROBERT M		730786	CRANBERRY EXPERIMENT STATION	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
DIGIANO FRANCIS A		730514	CIVIL ENGINEERING	AMHERST
DIXON JOHN P	NELSON C	730775	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
DODGE WENDELL E	KELLY G M	730086	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
DONAHUE MAURICE A		730606	INSTITUTE FOR GOVERNMENTAL SERVICES	ALL CAMPUSES
DONAHUE MAURICE A	EVE A W	730787	INSTITUTE FOR GOVERNMENTAL SERVICES	ALL CAMPUSES
DOUGLAS JAMES M		730506	CHEMICAL ENGINEERING	AMHERST
DUBY ROBERT T	BLACK D L	720563	VETERINARY AND ANIMAL SCIENCE	AMHERST
DYE LARRY L		720424	SCHOOL OF EDUCATION	AMHERST
EARLES VIRGINIA L		720332	SCHOOL OF NURSING	AMHERST
EDINGTON DEE W		730296	PHYSICAL EDUCATION FOR MEN	AMHERST
EHRENBERG RONALD G		730003	ECONOMICS	AMHERST
ENGELSBERG STANLEY	GUYER R A	720367	PHYSICS AND ASTRONOMY	AMHERST
EPSTEIN SEYMOUR		720046	PSYCHOLOGY	AMHERST
ERTEL KENNETH A		720340	SCHOOL OF EDUCATION	AMHERST
ERTEL KENNETH A		730592	SCHOOL OF EDUCATION	AMHERST
ERTEL KENNETH A		730779	SCHOOL OF EDUCATION	AMHERST
ERTEL KENNETH A	HRUSKA J L	720337	SCHOOL OF EDUCATION	AMHERST
ERTEL KENNETH A	HRUSKA J L	730426	SCHOOL OF EDUCATION	AMHERST
ERTEL KENNETH A	HRUSKA J L	730427	SCHOOL OF EDUCATION	AMHERST
ERTEL KENNETH A	MCCOLLUM P D	730028	SCHOOL OF EDUCATION	AMHERST
ERTEL KENNETH A	TARDANICO P	730778	SCHOOL OF EDUCATION	AMHERST
EVANS DAVID R		730374	SCHOOL OF EDUCATION	AMHERST
EVANS DAVID R	BARRIGA P	730076	SCHOOL OF EDUCATION	AMHERST
EVE ARTHUR W		730521	INSTITUTE FOR GOVERNMENTAL SERVICES	ALL CAMPUSES
EVE ARTHUR W		730605	INSTITUTE FOR GOVERNMENTAL SERVICES	ALL CAMPUSES

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
EVE ARTHUR W		730803	INSTITUTE FOR GOVERNMENTAL SERVICES	ALL CAMPUSES
EVE ARTHUR W	LLAMAS F	730359	INSTITUTE FOR GOVERNMENTAL SERVICES	ALL CAMPUSES
FABOS JULIUS GY		730434	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	AMHERST
FABOS JULIUS GY	BENTLEY W R	720165	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	AMHERST
FAIRBAIRN DONALD		720265	ZOOLOGY	AMHERST
FAIRBAIRN DONALD		730035	ZOOLOGY	AMHERST
FAY FREDERIC S		730274	PHYSIOLOGY	WORCESTER
FEDER WILLIAM A	NAEGELE J A	730038	SUBURBAN EXPERIMENT STATION	AMHERST
FELLER SIEGFRIED		730467	LIBRARY	AMHERST
FENG TSUAN HUA		730512	CIVIL ENGINEERING	AMHERST
FENNER HEINRICH		730502	VETERINARY AND ANIMAL SCIENCE	AMHERST
FERGUSON MARYANNE		730046	ENGLISH	BOSTON
FLATT JEAN-PIERRE		730599	BIOCHEMISTRY	WORCESTER
FLIGHT DAVID S		720536	SCHOOL OF EDUCATION	AMHERST
FORMAN GEORGE E		730406	HUMAN DEVELOPMENT	AMHERST
FORMAN SYLVIA H	NADER L	730801	ANTHROPOLOGY	AMHERST
FOSTER JOHN H	VERTREES R L	720179	AGRICULTURE AND FOOD ECONOMICS	AMHERST
FOURNIER MAURILLE J JR		730525	BIOCHEMISTRY	AMHERST
FOWLER JACK		730728	PLANNING AND DEVELOPMENT	BOSTON
FRANKS LEWIS E		720410	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
FULMER HUGH S		730178	COMMUNITY MEDICINE	WORCESTER
FULMER HUGH S		730504	COMMUNITY MEDICINE	WORCESTER
FULMER HUGH S		730709	COMMUNITY MEDICINE	WORCESTER
GALE BRADLEY T		720624	ECONOMICS	AMHERST
GALINAT WALTON C		730101	SUBURBAN EXPERIMENT STATION	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
GATSLICK HAROLD B	RHODES A D	730529	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
GAWIENOWSKI ANTHONY M		730406	BIOCHEMISTRY	AMHERST
GAWIENOWSKI ANTHONY M		730557	BIOCHEMISTRY	AMHERST
GENTILE ADRIAN G	NAEGELE J A	730608	SUBURBAN EXPERIMENT STATION	AMHERST
GENTILE ADRIAN G	NAEGELE J A	730724	SUBURBAN EXPERIMENT STATION	AMHERST
GENTILE ADRIAN G	NAEGELE J A	730736	SUBURBAN EXPERIMENT STATION	AMHERST
GENTRY ATRON A		730761	SCHOOL OF EDUCATION	AMHERST
GENTRY ATRON A		730762	SCHOOL OF EDUCATION	AMHERST
GENTRY ATRON A	ABRAHAM C C	720629	SCHOOL OF EDUCATION	AMHERST
GENTRY ATRON A	ABRAHAM C C	720630	SCHOOL OF EDUCATION	AMHERST
GENTRY ATRON A	ABRAHAM C C	720632	SCHOOL OF EDUCATION	AMHERST
GENTRY ATRON A	JONES B L	730026	SCHOOL OF EDUCATION	AMHERST
GERACE WILLIAM J		730248	PHYSICS AND ASTRONOMY	AMHERST
GETSON JACOB		720627	OFFICE OF THE CHANCELLOR	BOSTON
GETSON JACOB		720637	OFFICE OF THE CHANCELLOR	BOSTON
GETSON JACOB		730393	OFFICE OF THE CHANCELLOR	BOSTON
GETSON JACOB		730436	OFFICE OF THE CHANCELLOR	BOSTON
GETSON JACOB		730628	OFFICE OF THE CHANCELLOR	BOSTON
GIBSON WALKER	VENMAN W C	730286	ENGLISH	AMHERST
GIGLIO RICHARD J		720554	INDUSTRIAL ENGINEERING AND OPERATIONS	AMHERST
GILARDE THOMAS J		730795	OFFICE OF THE CHANCELLOR	BOSTON
GINSBERG EDWARD S		730432	PHYSICS	BOSTON
GODFREY PAUL J	BARRETT P E	730755	BOTANY	AMHERST
GODFREY PAUL J	TRAVIS R	730630	BOTANY	AMHERST
GOLANN STUART E		730022	PSYCHOLOGY	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
GOLANN STUART E		730134	PSYCHOLOGY	AMHERST
GOLDENBERG H MARK		720380	PHYSICS AND ASTRONOMY	AMHERST
GOODMAN H MAURICE		720642	PHYSIOLOGY	WORCESTER
GOODMAN LILLIAN R		720447	SCHOOL OF NURSING	AMHERST
GOODMAN LILLIAN R	GETCHEL N I	720446	SCHOOL OF NURSING	AMHERST
GORTH WILLIAM P		730424	SCHOOL OF EDUCATION	AMHERST
GORTH WILLIAM P		730508	SCHOOL OF EDUCATION	AMHERST
GORTH WILLIAM P		730612	SCHOOL OF EDUCATION	AMHERST
GORTH WILLIAM P		730646	SCHOOL OF EDUCATION	AMHERST
GREEN DAN S	DRIVER E D	720625	SOCIOLOGY	AMHERST
GREENBAUM LOUIS S		730483	HISTORY	AMHERST
GREENE PETER H		730199	COMPUTER AND INFORMATION SCIENCE	AMHERST
GREENFIELD GERALD		720618	OFFICE OF THE CHANCELLOR	BOSTON
GREENFIELD GERALD		730144	OFFICE OF THE CHANCELLOR	BOSTON
GREENFIELD GERALD		730715	OFFICE OF THE CHANCELLOR	BOSTON
GRIGG PETER		730541	PHYSIOLOGY	WORCESTER
GUNEY SEMA	NAWAR W W	720635	FOOD SCIENCE AND TECHNOLOGY	AMHERST
HAGGERTY STEPHEN E		730140	GEOLOGY AND GEOGRAPHY	AMHERST
HALITSKY JAMES		720436	CIVIL ENGINEERING	AMHERST
HALLOCK ROBERT B		720462	PHYSICS AND ASTRONOMY	AMHERST
HALLOCK ROBERT B		730133	PHYSICS AND ASTRONOMY	AMHERST
HALVORSON HERBERT R	BRANDTS L F	730024	CHEMISTRY	AMHERST
HAMILTON WILLIAM R		730759	OFFICE OF THE CHANCELLOR	BOSTON
HAMILTON WILLIAM R		730766	OFFICE OF THE CHANCELLOR	BOSTON
HAMILTON WILLIAM R		730782	OFFICE OF THE CHANCELLOR	BOSTON

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
HANDY WALTER A		730402	GEOLOGY AND GEOGRAPHY	AMHERST
HANKE LEWIS U		720527	HISTORY	AMHERST
HARTSHORN JOSEPH H		730155	GEOLOGY AND GEOGRAPHY	AMHERST
HASHIMOTO KAZUHIKO	MONOPOLI R V	730435	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
HAYES MILES O		730517	GEOLOGY AND GEOGRAPHY	AMHERST
HERONEMUS WILLIAM E		730108	CIVIL ENGINEERING	AMHERST
HITCHO PAUL J	ROBERTS L S	720636	ZOOLOGY	AMHERST
HITTELMAN KARL J	BUTCHER R W	730184	BIOCHEMISTRY	WORCESTER
HOADLEY R BRUCE		730139	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
HOFFMAN ALLAN R		730455	PHYSICS AND ASTRONOMY	AMHERST
HOLT STANLEY C		730627	MICROBIOLOGY	AMHERST
HOLT STANLEY C	CONRAD J	730115	MICROBIOLOGY	AMHERST
HONEYMAN THOMAS H		730607	BIOCHEMISTRY	WORCESTER
HONIGBERG BRONISLAW M		730520	ZOOLOGY	AMHERST
HOOKER MICHAEL		730800	PHILOSOPHY	AMHERST
HOROWITZ JOSEPH	GEMAN D	730180	MATHEMATICS AND STATISTICS	AMHERST
HORVAY GABRIEL		730161	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
HOURIHAN JOHN J	FAULKINGHAM R H	730400	ANTHROPOLOGY	AMHERST
HOWARDS IRVING		720606	POLITICAL SCIENCE	AMHERST
HOWE GEORGE R		730051	VETERINARY AND ANIMAL SCIENCE	AMHERST
HUGUENIN G RICHARD	TAYLOR J H	720450	PHYSICS AND ASTRONOMY	AMHERST
HUGUENIN G RICHARD	TAYLOR J H	730116	PHYSICS AND ASTRONOMY	AMHERST
HULTIN HERBERT O	LAURENCE R L	720426	FOOD SCIENCE AND TECHNOLOGY	AMHERST
HUTCHINSON CHARLES E		720328	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
IRVINE WILLIAM M		720370	PHYSICS AND ASTRONOMY	AMHERST

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PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
IRVINE WILLIAM M		720401	PHYSICS AND ASTRONOMY	AMHERST
IRVINE WILLIAM M	VANBLERKOM D J	720498	PHYSICS AND ASTRONOMY	AMHERST
JEZEK PETER A	HARTSHORN J H	730652	GEOLOGY AND GEOGRAPHY	AMHERST
JOHNSON JAMES E	COLE C F	730160	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
JOHNSON LAWRENCE A		720145	OFFICE OF THE CHANCELLOR	AMHERST
JORDAN DANIEL C		730736	SCHOOL OF EDUCATION	AMHERST
JORDAN DANIEL C	STREETS D T	730175	SCHOOL OF EDUCATION	AMHERST
KARASZ FRANK E		730531	POLYMER RESEARCH INSTITUTE	AMHERST
KARASZ FRANK E	PORTER R S	720439	POLYMER SCIENCE AND ENGINEERING	AMHERST
KAYNOR EDWARD R	BERGER R B	720269	WATER RESOURCES RESEARCH CENTER	AMHERST
KEYSER SAMUEL JAY		720594	LINGUISTICS	AMHERST
KIHLSTROM RICHARD E	MIRMAN L J	730084	ECONOMICS	AMHERST
KIRCHHOFF ROBERT H		730138	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
KOHLER WALTER H		730237	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
KONICEK RICHARD D	PIERCE R	730147	SCHOOL OF EDUCATION	AMHERST
KORSON J HENRY		720379	SOCIOLOGY	AMHERST
KOS PETER	ADRIAN A D	720531	CIVIL ENGINEERING	AMHERST
KRAMER BERNARD M		730131	PSYCHOLOGY	BOSTON
KRAMER BERNARD M		730708	PSYCHOLOGY	BOSTON
KRASNOW MICHAEL A		730404	ANTHROPOLOGY	AMHERST
KREISLER MICHAEL N	FREYTAG D	730016	PHYSICS AND ASTRONOMY	AMHERST
KREPLICK RUTH		730746	ENVIRONMENTAL SCIENCES	AMHERST
KUZMINSKI LAWRENCE N		730515	CIVIL ENGINEERING	AMHERST
LAFRANCE RONALD C		730660	UNIVERSITY HEALTH SERVICES	AMHERST
LAUFER DANIEL A		720294	CHEMISTRY	BOSTON

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PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
LEDGARD HENRY F		730562	COMPUTER AND INFORMATION SCIENCE	AMHERST
LEE JOHN A N		730468	COMPUTER AND INFORMATION SCIENCE	AMHERST
LENZ ROBERT W		730245	POLYMER RESEARCH INSTITUTE	AMHERST
LESSIE THOMAS G		730634	MICROBIOLOGY	AMHERST
LEVIN BRUCE R		720308	ZOOLOGY	AMHERST
LEVIN ROBERT E		720058	FOOD SCIENCE AND TECHNOLOGY	AMHERST
LILLYA C PETER		720405	CHEMISTRY	AMHERST
LITSKY WARREN		730392	ENVIRONMENTAL SCIENCES	AMHERST
LITSKY WARREN		730732	ENVIRONMENTAL SCIENCES	AMHERST
LIU TENG-SUN		720100	MATHEMATICS AND STATISTICS	AMHERST
LOUTTIT RICHARD T	BOGARTZ R S	730078	PSYCHOLOGY	AMHERST
MACCONNELL WILLIAM P		730021	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
MACCONNELL WILLIAM P		730270	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
MACCONNELL WILLIAM P		730503	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
MACCONNELL WILLIAM P		730739	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
MACKNIGHT WILLIAM J		720039	POLYMER RESEARCH INSTITUTE	AMHERST
MACKNIGHT WILLIAM J		730486	CHEMISTRY	AMHERST
MANN LARRY N	SU J C	730127	MATHEMATICS AND STATISTICS	AMHERST
MARCUS JOSEPH S		730013	OFFICE OF THE DEAN(ENGINEERING)	AMHERST
MARCUS JOSEPH S	SKRABLE K K	720306	OFFICE OF THE DEAN(ENGINEERING)	AMHERST
MARRA ALAN A		730723	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
MARSHALL DOROTHY		730757	PROVOSTS OFFICE	BOSTON
MARTIN JAMES		730758	BUDGET OFFICE	AMHERST
MARTINDALE WALLACE S		730198	MATHEMATICS AND STATISTICS	AMHERST
MAWSON JOSEPH C		730765	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST

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PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
MAY THOMAS	TARTAGLIA F E	720529	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
MCAVOY THOMAS J		720412	CHEMICAL ENGINEERING	AMHERST
MCCOY RHODY A		730725	SCHOOL OF EDUCATION	AMHERST
MCCOY RHODY A		730726	SCHOOL OF EDUCATION	AMHERST
MCCOY RHODY A		730727	SCHOOL OF EDUCATION	AMHERST
MCCOY RHODY A		730772	SCHOOL OF EDUCATION	AMHERST
MCCOY RHODY A	STMARY D	730524	PROVOSTS OFFICE	AMHERST
MCEWEN WILLIAM E		720360	CHEMISTRY	AMHERST
MCGILL GEORGE E		730164	GEOLOGY AND GEOGRAPHY	AMHERST
MCINTOSH ROBERT E		730001	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
MCINTOSH ROBERT E	VANATTA L C	730220	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
MCKAY THOMAS		730799	PHILOSOPHY	AMHERST
MENGE BRUCE A		720440	BIOLOGY	BOSTON
MILLER BERNARD		730423	CHEMISTRY	AMHERST
MONOPOLI RICHARD V		720573	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
MOORE JOHN W		710092	PSYCHOLOGY	AMHERST
MOORE JOHN W		730060	PSYCHOLOGY	AMHERST
MORBECK MARY E		730802	ANTHROPOLOGY	AMHERST
MORSE STEARNS A		720532	GEOLOGY AND GEOGRAPHY	AMHERST
MORSE STEARNS A		730153	GEOLOGY AND GEOGRAPHY	AMHERST
MORTLOCK ROBERT P		720501	MICROBIOLOGY	AMHERST
MOUNT MARK S	MORTLOCK R P	730114	PLANT PATHOLOGY	AMHERST
MOUSTAFA A TAHER	GAGE R W	720175	DEPARTMENT OF PUBLIC HEALTH	AMHERST
MUNN NANCY D		730193	ANTHROPOLOGY	AMHERST
NAEGELE JOHN A		730741	SUBURBAN EXPERIMENT STATION	AMHERST

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PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
NAEGELE JOHN A		730745	SUBURBAN EXPERIMENT STATION	AMHERST
NAEGELE JOHN A	GENTILE A G	730105	SUBURBAN EXPERIMENT STATION	AMHERST
NASH WILLIAM A		720028	CIVIL ENGINEERING	AMHERST
NASH WILLIAM A		720369	CIVIL ENGINEERING	AMHERST
NASH WILLIAM A	COLONELL J M	730007	CIVIL ENGINEERING	AMHERST
NAWAR WASSEF W		730102	FOOD SCIENCE AND TECHNOLOGY	AMHERST
NOBER E HARRIS		720430	SPEECH	AMHERST
NORDIN JOHN H		720025	BIOCHEMISTRY	AMHERST
NORKIN LEONARD C		720375	MICROBIOLOGY	AMHERST
NORKIN LEONARD C		730229	MICROBIOLOGY	AMHERST
NOYES JOHN H	GATSLICK H B	730064	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
OLLEY JOHN G	JARMON H	730629	PSYCHOLOGY	AMHERST
OYEWOLE GORDON G		730162	RADIO STATION-WFCR-FM	AMHERST
PENCHINA CLAUDE M		720255	PHYSICS AND ASTRONOMY	AMHERST
PERKINS HAROLD W		730030	OFFICE OF THE DEAN(AGRICULTURE)	AMHERST
PETERS HOWARD A		720176	DEPARTMENT OF PUBLIC HEALTH	AMHERST
PETERSON GERALD A		720311	PHYSICS AND ASTRONOMY	AMHERST
PETERSON GERALD A		730561	PHYSICS AND ASTRONOMY	AMHERST
PETRUNENKO CONSTANCE		730182	SCHOOL OF NURSING	AMHERST
PIEDMONT EUGENE B	STANEY R E	720445	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
PIEDMONT EUGENE B	STANEY R E	730605	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
POLITELLA DARIO		720615	ENGLISH	AMHERST
PORTER ROGER S		730315	POLYMER RESEARCH INSTITUTE	AMHERST
PORTER ROGER S	PENWELL R C	720220	POLYMER RESEARCH INSTITUTE	AMHERST
PRICE FRASER P		730049	POLYMER RESEARCH INSTITUTE	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
PRICE FRASER P		730574	POLYMER RESEARCH INSTITUTE	AMHERST
PROCOPIO PAUL N		730397	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	AMHERST
PROCOPIO PAUL N		730475	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	AMHERST
RAGLE JOHN L		730326	CHEMISTRY	AMHERST
RAUCH HAROLD		730410	ZOOLOGY	AMHERST
RAUSCH MARVIN D		720219	CHEMISTRY	AMHERST
RAUSCH MARVIN D		720570	CHEMISTRY	AMHERST
RAUSCH MARVIN D		730010	CHEMISTRY	AMHERST
RAUSCH MARVIN D		730011	CHEMISTRY	AMHERST
RAUSH HAROLD L		720243	PSYCHOLOGY	AMHERST
REED GEORGE		730117	DEPARTMENT OF PUBLIC HEALTH	AMHERST
REED ROGER J		730510	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
REED ROGER J		730673	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
REINER ALBEY M		730371	MICROBIOLOGY	AMHERST
RICE WILLIAM M		730501	FEED SEED AND FERTILIZER SERVICES	AMHERST
RISEMAN EDWARD M		730149	COMPUTER AND INFORMATION SCIENCE	AMHERST
RISING EDWARD J	GIGLIO R J	730289	INDUSTRIAL ENGINEERING AND OPERATIONS	AMHERST
RITTER JOHN E		730577	OFFICE OF THE DEAN(ENGINEERING)	AMHERST
ROBERTS LARRY S		730358	ZOOLOGY	AMHERST
RODRICK GARY E		730100	ZOOLOGY	AMHERST
ROSENBERG STEVEN L	MORTLOCK R P	730099	MICROBIOLOGY	AMHERST
ROSENKRANTZ WALTER A		720124	MATHEMATICS AND STATISTICS	AMHERST
ROSS JOANNE A		730111	OFFICE OF THE CHANCELLOR	BOSTON
ROSS S		730763	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	AMHERST
ROSSMAN MARK H		720580	SCHOOL OF EDUCATION	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
STRONG JOHN D		730072	PHYSICS AND ASTRONOMY	AMHERST
STRONG JOHN D		730091	PHYSICS AND ASTRONOMY	AMHERST
STUART ALASTAIR M		730056	ZOOLOGY	AMHERST
STUMBO CHARLES R		720638	FOOD SCIENCE AND TECHNOLOGY	AMHERST
STUMBO CHARLES R	PUROHIT K S	730301	FOOD SCIENCE AND TECHNOLOGY	AMHERST
SUTTON GORDON F	LEWIS M	720571	SOCIOLOGY	AMHERST
TABER ROBERT L JR		720349	MICROBIOLOGY	WORCESTER
TANG SHIRLEY S	FOURNIER M J	730401	BIOCHEMISTRY	AMHERST
TANG TING-WEI	CARON P R	730491	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
TAYLOR JOSEPH H		730137	PHYSICS AND ASTRONOMY	AMHERST
THOMAS IAN B		730414	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
THOMPSON WILLIAM F		730195	BOTANY	AMHERST
TIPPER DONALD J		720052	MICROBIOLOGY	WORCESTER
TORRES-SOTO JULIO		730485	RADIO STATION-WFCR-FM	AMHERST
TREHUB ARNOLD	CURRAN D J	720474	PSYCHOLOGY	AMHERST
TROLL JOSEPH		730145	PLANT AND SOIL SCIENCES	AMHERST
TURNER CASTELLANO B	DARITY W A	730679	PSYCHOLOGY	AMHERST
TZILKOWSKI W	LARSON J S	730798	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
VANPEE MARCEL		720525	CHEMICAL ENGINEERING	AMHERST
VENMAN WILLIAM C	SACKREY F	730367	CONTINUING EDUCATION	AMHERST
VOGL OTTO		720476	POLYMER RESEARCH INSTITUTE	AMHERST
VOGL OTTO		720477	POLYMER RESEARCH INSTITUTE	AMHERST
VOGL OTTO		720502	POLYMER RESEARCH INSTITUTE	AMHERST
VOGL OTTO		730052	POLYMER RESEARCH INSTITUTE	AMHERST
VOGL OTTO		730783	POLYMER RESEARCH INSTITUTE	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
WADE GEORGE N		720537	PSYCHOLOGY	AMHERST
WALKER JAMES W		720290	BOTANY	AMHERST
WALKER ROBERT W		730395	ENVIRONMENTAL SCIENCES	AMHERST
WARD ROSCOE F		730061	OFFICE OF THE DEAN(ENGINEERING)	AMHERST
WELLMAN ROBERT R	CHAPPELL V C	730005	SCHOOL OF EDUCATION	AMHERST
WELLMAN ROBERT R	CHAPPELL V C	730586	SCHOOL OF EDUCATION	AMHERST
WESTHEAD EDWARD W		730340	BIOCHEMISTRY	AMHERST
WESTHEAD EDWARD W	GABLER F R	720268	BIOCHEMISTRY	AMHERST
WHITE RICHARD H		720359	BIOLOGY	BOSTON
WIARDA HOWARD J	WIARDA I S	720091	POLITICAL SCIENCE	AMHERST
WILKIE RICHARD W		720549	GEOLOGY AND GEOGRAPHY	AMHERST
WILKINSON THOMAS O		730804	SOCIOLOGY	AMHERST
WILKINSON THOMAS O	CHEVAN A C	730598	SOCIOLOGY	AMHERST
WILLIAMS RINZY	ZAJICEK C T	730770	CHEMISTRY	AMHERST
WILLOUGHBY ROBERT H		720314	PSYCHOLOGY	AMHERST
WILSON WILLIAM R D		720459	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
WILSON WILLIAM R D		730428	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
WINDER ALVIN E		720208	SCHOOL OF NURSING	AMHERST
WOOD ROBERT C		720607	OFFICE OF THE PRESIDENT	ALL CAMPUSES
WOOD ROBERT C		720608	OFFICE OF THE PRESIDENT	ALL CAMPUSES
WOOD ROBERT C		730394	OFFICE OF THE PRESIDENT	ALL CAMPUSES
WOOD ROBERT C		730806	OFFICE OF THE PRESIDENT	ALL CAMPUSES
WOODBURY ROBERT L		730366	PROVOSTS OFFICE	AMHERST
WORKMAN PETER L		720103	ANTHROPOLOGY	AMHERST
WYMAN RAYMOND	EACHUS H T	720528	SCHOOL OF EDUCATION	AMHERST

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR FY 73

PRINCIPAL INVESTIGATOR	CO-INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
WYMAN RAYMOND	EACHUS H T	730654	SCHOOL OF EDUCATION	AMHERST
WYSE GORDON A		730351	ZOOLOGY	AMHERST
YENTSCH CHARLES S		720558	MARINE STATION	AMHERST
YENTSCH CHARLES S		730090	MARINE STATION	AMHERST
YENTSCH CHARLES S		730649	MARINE STATION	AMHERST
YENTSCH CHARLES S	GILFILLIAN E S	730156	MARINE STATION	AMHERST
YNGVESSON K SIGFRID		730268	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
ZAHRADNIK JOHN W		720592	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
ZAHRADNIK JOHN W		720593	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
ZAHRADNIK JOHN W		730589	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
ZAHRADNIK JOHN W		730609	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
ZAJICEK OLIVER T		730505	CHEMISTRY	AMHERST
ZEISEL GERALD		730063	ACCOUNTING	AMHERST
ZIFF HOWARD M		730197	ENGLISH	AMHERST
ZUBE ERVIN H		730194	INSTITUTE FOR MAN AND HIS ENVIRONMENT	AMHERST
ZUBE ERVIN H		730610	INSTITUTE FOR MAN AND HIS ENVIRONMENT	AMHERST
ZUBE ERVIN H		730611	INSTITUTE FOR MAN AND HIS ENVIRONMENT	AMHERST
ZUCKERMAN BERT M	CROSS C E	730768	CRANBERRY EXPERIMENT STATION	AMHERST

TOTAL NUMBER OF AWARDS FY 73 443

CURRENT AWARDS BY CO-INVESTIGATOR FY 73

CO-INVESTIGATOR	PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
ABRAHAM C C	GENTRY ATRON A	720629	SCHOOL OF EDUCATION	AMHERST
ABRAHAM C C	GENTRY ATRON A	720630	SCHOOL OF EDUCATION	AMHERST
ABRAHAM C C	GENTRY ATRON A	720632	SCHOOL OF EDUCATION	AMHERST
ADRIAN A D	KOS PETER	720531	CIVIL ENGINEERING	AMHERST
ARMELAGOS G J	CARLSON DAVID S	730780	ANTHROPOLOGY	AMHERST
ARMELAGOS G J	CARLSON DAVID S	730781	ANTHROPOLOGY	AMHERST
BALAGURA S	CLIFTON CHARLES E JR	720212	PSYCHOLOGY	AMHERST
BARRETT P E	GODFREY PAUL J	730755	BOTANY	AMHERST
BARRIGA P	EVANS DAVID R	730076	SCHOOL OF EDUCATION	AMHERST
BENTLEY W R	FABOS JULIUS GY	720165	WATER RESOURCES RESEARCH CENTER	AMHERST
BERGER R B	KAYNOR EDWARD R	720269	WATER RESOURCES RESEARCH CENTER	AMHERST
BLACK D L	DUBY ROBERT T	720563	VETERINARY AND ANIMAL SCIENCE	AMHERST
BLACK D L	SNEDECOR JAMES G	720588	VETERINARY AND ANIMAL SCIENCE	AMHERST
BOGARTZ R S	LOUTTIT RICHARD T	730078	PSYCHOLOGY	AMHERST
BRANDTS J F	HALVORSON HERBERT R	730024	CHEMISTRY	AMHERST
BRODERICK F L	ANRIG GREGORY R	730437	OFFICE OF THE CHANCELLOR	BOSTON
BUTCHER R W	HITTELMAN KARL J	730184	BIOCHEMISTRY	WORCESTER
CAMERINO P W	ADERHOLD JAMES L JR	730760	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
CARON P R	TANG TING-WEI	730491	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
CHAPPELL V C	WELLMAN ROBERT R	730005	PHILOSOPHY	AMHERST
CHAPPELL V C	WELLMAN ROBERT P	730566	PHILOSOPHY	AMHERST
CHEVAN A C	WILKINSON THOMAS O	730598	SOCIOLOGY	AMHERST
CHRISTENSEN P	ALLEN DWIGHT W	720586	SCHOOL OF EDUCATION	AMHERST
COLE C F	JOHNSON JAMES E	730160	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
COLONELL J M	NASH WILLIAM A	730007	CIVIL ENGINEERING	AMHERST

CURRENT AWARDS BY CO-INVESTIGATOR FY 73

CO-INVESTIGATOR	PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
NAEGELE J A	GENTILE ADRIAN G	730608	SUBURBAN EXPERIMENT STATION	AMHERST
NAEGELE J A	GENTILE ADRIAN G	730724	SUBURBAN EXPERIMENT STATION	AMHERST
NAEGELE J A	GENTILE ADRIAN G	730733	SUBURBAN EXPERIMENT STATION	AMHERST
NAWAR W W	GUNEY SEMA	720635	FOOD SCIENCE AND TECHNOLOGY	AMHERST
NELSON C	DIXON JOHN R	730775	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
PARSONS P P	BIRNBAUM LINDA S	730785	MICROBIOLOGY	AMHERST
PENWELL R C	PORTER ROGER S	720220	POLYMER RESEARCH INSTITUTE	AMHERST
PICHA K G	COLONELL JOSEPH M	720284	OFFICE OF THE DEAN(ENGINEERING)	AMHERST
PIERCE R	KONICEK RICHARD C	730147	SCHOOL OF EDUCATION	AMHERST
PORTER R S	KARASZ FRANK E	720439	POLYMER RESEARCH INSTITUTE	AMHERST
PUROHIT K S	STUMBO CHARLES R	730301	FOOD AND AGRICULTURAL ENGINEERING	AMHERST
RHODES A D	GATSLICK HAROLD B	730529	FORESTRY AND WILDLIFE MANAGEMENT	AMHERST
ROBERTS L S	HITCHO PAUL J	720633	ZOOLOGY	AMHERST
ROBERTS L S	STARLING JANE A	730438	ZOOLOGY	AMHERST
SACKREY P	VENMAN WILLIAM C	730367	CONTINUING EDUCATION	AMHERST
SADOWSKI R P	SEGOOL HOWARD C	730327	INDUSTRIAL ENGINEERING AND OPERATIONS	AMHERST
SCHNEIDER G B	CLARK SAM L JR	730291	ANATOMY	WORCESTER
SKRABLE K W	MARCUS JOSEPH S	720306	OFFICE OF THE DEAN(ENGINEERING)	AMHERST
STANEY R E	PIEDMONT EUGENE B	720443	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
STANEY R E	PIEDMONT EUGENE B	730603	OFFICES OF THE DEANS(GRADUATE SCHOOL)	AMHERST
STEUCEK G L	ARCHER ROBERT R	720611	CIVIL ENGINEERING	AMHERST
STMARY D	MCCOY RHODY A	730524	PROVOSTS OFFICE	AMHERST
STOKOE K H	BEMBEN STANLEY M	730564	CIVIL ENGINEERING	AMHERST
STREETS D T	JORDAN DANIEL C	730172	SCHOOL OF EDUCATION	

CURRENT AWARDS BY CO-INVESTIGATOR FY 73

CO-INVESTIGATOR	PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	CAMPUS
TARDANICO P	ERTEL KENNETH A	730778	SCHOOL OF EDUCATION	AMHERST
TARTAGLIA P E	MAY THOMAS	720529	MECHANICAL AND AEROSPACE ENGINEERING	AMHERST
TAYLOR J H	HUGUENIN G RICHARD	720450	PHYSICS AND ASTRONOMY	AMHERST
TAYLOR J H	HUGUENIN G RICHARD	730116	PHYSICS AND ASTRONOMY	AMHERST
TRAVIS R	GODFREY PAUL J	730630	INSTITUTE FOR MAN AND HIS ENVIRONMENT	AMHERST
TUTHAN W	SCHIMMEL DAVID M	730002	SCHOOL OF EDUCATION	AMHERST
VANATTA L C	MCINTOSH ROBERT E	730220	ELECTRICAL AND COMPUTER ENGINEERING	AMHERST
VANBLERKOM D J	IRVINE WILLIAM M	720498	PHYSICS AND ASTRONOMY	AMHERST
VENMAN W C	GIBSON WALKER	730283	VICE CHANCELLOR FOR ACADADEMIC AFFAIRS AND PROVO	AMHERST
VERTREES R L	FOSTER JOHN H	720179	WATER RESOURCES RESEARCH CENTER	AMHERST
WIARDA I S	WIARDA HOWARD J	720091	POLITICAL SCIENCE	AMHERST
WINDER A E	SALENIUS HILDEGARD M	720206	SCHOOL OF NURSING	AMHERST
WISE D L	SHORT W LEIGH	730466	CHEMICAL ENGINEERING	AMHERST
WRIGHT R T	SHAH NAVIN M	730293	MARINE STATION	AMHERST
ZAJICEK O T	WILLIAMS RINZY	730770	CHEMISTRY	AMHERST
ZUBE E H	SHORT W LEIGH	730552	INSTITUTE FOR MAN AND HIS ENVIRONMENT	AMHERST

TOTAL NUMBER OF AWARDS WITH CO-INVESTIGATOR NAMED FY 73 116

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CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
OFFICE OF THE CHANCELLOR					
BURGIN RUTH W	730036	UNIVERSITY YEAR FOR ACTION	07-01-72	$ 197522	$ 197324
JOHNSON LAWRENCE A	720145	DEPARTMENT OF COMMERCE	07-01-72	$ 173100	$ 173000
MARTIN JAMES	730758	OFFICE OF EDUCATION	06-30-73	$ 92880	$ 92880
SCANLON GERALD	720578	DEPARTMENT OF YOUTH SERVICES	07-01-72	$ 26500	$ 26500
SCANLON GERALD	730302	DEPARTMENT OF YOUTH SERVICES	01-01-73	$ 36500	$ 36500
TOTAL OFFICE OF THE CHANCELLOR			5 GRANT(S)	$ 526502	$ 526204
RADIO STATION-WFCR-FM					
OYEWOLE GORDON G	730162	OFFICE OF EDUCATION	10-06-72	$ 14490	$ 14490
TORRES-SOTO JULIO	730485	NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE	02-07-73	$ 10000	$ 10000
TOTAL RADIO STATION-WFCR-FM			2 GRANT(S)	$ 24490	$ 24490
FINE ARTS COUNCIL					
SCHWARZ TERRY C	730500	COUNCIL ON THE ARTS AND HUMANITIES	03-20-73	$ 2500	$ 2500
TOTAL FINE ARTS COUNCIL			1 GRANT(S)	$ 2500	$ 2500

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
INTERNATIONAL PROGRAMS					
BURN BARBARA B	730362	INTERNATIONAL COUNCIL FOR EDUCATIONAL DEVELOPMENT	04-10-73	$ 2000	$ 2000
TOTAL INTERNATIONAL PROGRAMS			1 GRANT(S)	$ 2000	$ 2000
PROVOSTS OFFICE					
BROWN DONALD	720354	OFFICE OF EDUCATION	07-01-72	$ 138000	$ 138000
BROWN DONALD	730523	OFFICE OF EDUCATION	06-15-73	$ 120000	$ 120000
BROWN DONALD	730805	DEPARTMENT OF YOUTH SERVICES	07-29-72	$ 3600	$ 3600
MCCOY RHODY A	730524	STUDENT SPECIAL SERVICES PROGRAMS	06-15-73	$ 46296	$ 50000
WOODBURY ROBERT L	730366	BOARD OF HIGHER EDUCATION	06-29-73	$ 48000	$ 48000
TOTAL PROVOSTS OFFICE			5 GRANT(S)	$ 355896	$ 359600
INSTITUTE FOR MAN AND HIS ENVIRONMENT					
ZUBE ERVIN H	730194	NORTHEAST UTILITIES SERVICE COMPANY	12-06-72	$ 17980	$ 24180
ZUBE ERVIN H	730610	EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS	04-02-73	$ 6500	$ 6500
ZUBE ERVIN H	730611	EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS	01-25-73	$ 2500	$ 2500
TOTAL INSTITUTE FOR MAN AND HIS ENVIRONMENT			3 GRANT(S)	$ 26980	$ 33180

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
UNIVERSITY HEALTH SERVICES					
AVERILL BARRY W	730167	TRI-STATE REGIONAL MEDICAL PROGRAM	02-01-73	$ 23050	$ 23050
LAFRANCE RONALD C	730660	OFFICE OF EDUCATION	06-30-73	$ 59136	$ 62000
TOTAL UNIVERSITY HEALTH SERVICES			2 GRANT(S)	$ 82186	$ 85050
LIBRARY					
FELLER SIEGFRIED	730467	OFFICE OF EDUCATION	06-30-73	$ 5000	$ 5000
TOTAL LIBRARY			1 GRANT(S)	$ 5000	$ 5000
TOTAL ADMINISTRATIVE OFFICES			20 GRANT(S)	$ 1025524	$ 1040024

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
OFFICE OF THE DEAN(EXPERIMENT STATION)					
SPIELMAN ARLESS A	730807	DEPARTMENT OF AGRICULTURE	07-01-72	$ 656872	$ 656872
SPIELMAN ARLESS A	730808	DEPARTMENT OF AGRICULTURE	07-01-72	$ 60410	$ 60410
TOTAL OFFICE OF THE DEAN(EXPERIMENT STATION)			2 GRANT(S)	$ 717282	$ 717282
OFFICE OF THE DEAN(AGRICULTURE)					
PERKINS HAROLD W	730030	OFFICE OF CIVIL DEFENSE	10-01-72	$ 72560	$ 72560
TOTAL OFFICE OF THE DEAN(AGRICULTURE)			1 GRANT(S)	$ 72560	$ 72560
AGRICULTURE AND FOOD ECONOMICS					
CHRISTENSEN ROBERT L	730738	DEPARTMENT OF AGRICULTURE	06-13-73	$ 20000	$ 20000
CHRISTENSEN ROBERT L	730764	ECONOMIC RESEARCH SERVICE	06-19-73	$ 20000	$ 20000
FOSTER JOHN H	720179	OFFICE OF WATER RESOURCES RESEARCH	07-01-72	$ 57000	$ 57000
TOTAL AGRICULTURE AND FOOD ECONOMICS			3 GRANT(S)	$ 97000	$ 97000
CRANBERRY EXPERIMENT STATION					
CROSS CHESTER E	730062	SANDOZ-WANDER INC	07-01-72	$ 2000	$ 2000

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
CRANBERRY EXPERIMENT STATION					
CROSS CHESTER E	730165	WHITMAN AND HOWARD INC	09-01-72	$ 630	$ 630
CROSS CHESTER E	730774	KENNECOTT COPPER CORPORATION	06-01-73	$ 200	$ 200
DEVLIN ROBERT M	730786	STAUFFER CHEMICAL COMPANY	05-04-73	$ 300	$ 300
ZUCKERMAN BERT M	730768	CHEVRON CHEMICAL COMPANY	06-01-73	$ 500	$ 500
TOTAL CRANBERRY EXPERIMENT STATION			5 GRANT(S)	$ 1630	$ 1630
ENTOMOLOGY					
STOFFOLANO JOHN G	720321	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	09-01-72	$ 28066	$ 33402
TOTAL ENTOMOLOGY			1 GRANT(S)	$ 28066	$ 33402
ENVIRONMENTAL SCIENCES					
KREPLICK RUTH	730746	DEPARTMENT OF COMMUNITY AFFAIRS AND DEVELOPMENT	04-01-73	$ 3500	$ 3500
LITSKY WARREN	730392	RUSH-HAMPTON INDUSTRIES	01-01-73	$ 12000	$ 12000
LITSKY WARREN	730732	MILLIPORE CORPORATION	06-01-73	$ 9000	$ 9000
WALKER ROBERT W	730395	MASSACHUSETTS TUBERCULOSIS + RESPIRATORY DISEASE LEAGUE INC	07-01-72	$ 1250	$ 1438
TOTAL ENVIRONMENTAL SCIENCES			4 GRANT(S)	$ 25750	$ 25938

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
SUBURBAN EXPERIMENT STATION					
FEDER WILLIAM A	730038	ENVIRONMENTAL PROTECTION AGENCY	05-14-73	$ 10075	$ 12000
GALINAT WALTON C	730101	FUNK SEEDS INTERNATIONAL INC	09-01-72	$ 1000	$ 1000
GENTILE ADRIAN G	730608	NOR-AM AGRICULTURAL PRODUCTS INC	04-01-73	$ 200	$ 200
GENTILE ADRIAN G	730724	SHELL DEVELOPMENT COMPANY	05-26-73	$ 500	$ 500
GENTILE ADRIAN G	730733	CHEMAGRO DIVISION-BAYCHEM CORP	04-01-73	$ 500	$ 500
NAEGELE JOHN A	730103	SHELL DEVELOPMENT COMPANY	07-03-72	$ 500	$ 500
NAEGELE JOHN A	730741	SHELL DEVELOPMENT COMPANY	05-23-73	$ 500	$ 500
NAEGELE JOHN A	730743	CHEVRON CHEMICAL COMPANY	04-01-73	$ 200	$ 200
TOTAL SUBURBAN EXPERIMENT STATION			8 GRANT(S)	$ 16475	$ 18400
FOOD SCIENCE AND TECHNOLOGY					
GUNEY SEMA	720635	MIRLIN CORPORATION	07-01-72	$ 4000	$ 4000
HULTIN HERBERT O	720426	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 74940	$ 99100
LEVIN ROBERT E	720058	FOOD AND DRUG ADMINISTRATION	09-01-72	$ 10800	$ 19609
NAWAR WASSEF W	730102	ARMY NATICK LABORATORIES	01-01-73	$ 28000	$ 28000
STUMBO CHARLES R	720638	TRAVENOL LABORATORIES INC	07-01-72	$ 6000	$ 6000
STUMBO CHARLES R	730301	FOOD AND DRUG ADMINISTRATION	06-29-73	$ 28100	$ 41720
TOTAL FOOD SCIENCE AND TECHNOLOGY			6 GRANT(S)	$ 151840	$ 198529

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
FORESTRY AND WILDLIFE MANAGEMENT					
DODGE WENDELL E	730088	BUREAU OF SPORT FISHERIES AND WILDLIFE	09-01-72	$ 4600	$ 4600
GATSLICK HAROLD B	730529	DARWORTH INC	03-01-73	$ 1000	$ 1000
HOADLEY R BRUCE	730139	GENERAL ELECTRIC COMPANY	06-01-73	$ 1000	$ 1000
JOHNSON JAMES E	730160	DEPARTMENT OF NATURAL RESOURCES	10-01-72	$ 8250	$ 8250
MACCONNELL WILLIAM P	730021	FOREST SERVICE	07-01-72	$ 600	$ 600
MACCONNELL WILLIAM P	730270	FEDERAL INTERAGENCY CONTRACT	10-31-72	$ 12500	$ 12500
MACCONNELL WILLIAM P	730503	ARMY CORPS OF ENGINEERS	03-01-73	$ 3905	$ 3905
MACCONNELL WILLIAM P	730739	FOREST SERVICE	06-19-73	$ 12000	$ 12000
MARRA ALAN A	730723	MORRISON-KNUDSEN-RDA INC	06-01-73	$ 2000	$ 2000
MAWSON JOSEPH C	730765	FOREST SERVICE	06-19-73	$ 5500	$ 5500
NOYES JOHN H	730064	DEPARTMENT OF AGRICULTURE	07-17-72	$ 9000	$ 9000
REED ROGER J	730510	NORTHEAST UTILITIES SERVICE COMPANY	03-01-73	$ 39591	$ 39591
REED ROGER J	730673	BUREAU OF SPORT FISHERIES AND WILDLIFE	06-01-73	$ 23700	$ 23700
TZILKOWSKI W	730798	DEPARTMENT OF NATURAL RESOURCES	09-01-72	$ 3645	$ 3645
TOTAL FORESTRY AND WILDLIFE MANAGEMENT			14 GRANT(S)	$ 127291	$ 127291
LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING					
FABOS JULIUS GY	720165	OFFICE OF WATER RESOURCES RESEARCH	07-01-72	$ 42000	$ 42000
FABOS JULIUS GY	730434	NATIONAL PARK SERVICE	01-01-73	$ 39300	$ 39000
PROCOPIO PAUL N	730397	TOWN OF SHARON	10-01-72	$ 5000	$ 5000

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING					
PROCOPIO PAUL N	730475	PLANNING APPROACHES FOR COMMUNITY ENVIRONMENTS	02-01-73	$ 10000	$ 10000
ROSS S	730763	ACTION PEACE CORPS	06-29-73	$ 31025	$ 37961
TOTAL LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING			5 GRANT(S)	$ 127325	$ 148961
PLANT AND SOIL SCIENCES					
BARKER ALLEN V	720049	FOOD AND DRUG ADMINISTRATION	09-01-72	$ 29440	$ 37407
SOUTHWICK FRANCIS W	730734	AGWAY INC	06-01-73	$ 2000	$ 2000
TROLL JOSEPH	730143	PROCESS RESEARCH INC	09-01-72	$ 10000	$ 10000
TOTAL PLANT AND SOIL SCIENCES			3 GRANT(S)	$ 41440	$ 49407
PLANT PATHOLOGY					
MOUNT MARK S	730114	NATIONAL CANCER INSTITUTE	06-01-73	$ 14663	$ 19540
TOTAL PLANT PATHOLOGY			1 GRANT(S)	$ 14663	$ 19540
VETERINARY AND ANIMAL SCIENCE					
BLACK DONALD L	730516	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	06-01-73	$ 18045	$ 23159

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
VETERINARY AND ANIMAL SCIENCE					
DUBY ROBERT T	720563	POPULATION COUNCIL	09-01-72	$ 8895	$ 9000
FENNER HEINRICH	730502	ACTION PEACE CORPS	02-02-73	$ 300	$ 300
HOWE GEORGE R	730051	POPULATION COUNCIL	01-01-73	$ 8520	$ 9200
SEVOIAN MARTIN	730407	NATIONAL CANCER INSTITUTE	05-01-73	$ 29900	$ 40008
TOTAL VETERINARY AND ANIMAL SCIENCE			5 GRANT(S)	$ 65660	$ 82508
FEED SEED AND FERTILIZER SERVICES					
RICE WILLIAM M	730501	ARMY CORPS OF ENGINEERS	03-13-73	$ 2500	$ 2500
TOTAL FEED SEED AND FERTILIZER SERVICES			1 GRANT(S)	$ 2500	$ 2500
TOTAL COLLEGE OF FOOD AND NATURAL RESOURCES			59 GRANT(S)	$ 1491482	$ 1598112

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF HUMANITIES AND FINE ARTS					
ENGLISH					
GIBSON WALKER	730283	NATIONAL ENDOWMENT FOR THE HUMANITIES	03-01-73	$ 36491	$ 40460
POLITELLA DARIO	720613	UNIVERSITY OF MINNESOTA	08-01-72	$ 4500	$ 4500
ZIFF HOWARD M	730197	MARKLE FOUNDATION	06-01-73	$ 71042	$ 76212
TOTAL ENGLISH			3 GRANT(S)	$ 112033	$ 121172
HISTORY					
GREENBAUM LOUIS S	730483	NATIONAL LIBRARY OF MEDICINE	06-01-73	$ 6797	$ 9877
HANKE LEWIS U	720527	NATIONAL ENDOWMENT FOR THE HUMANITIES	11-01-72	$ 51637	$ 58871
TOTAL HISTORY			2 GRANT(S)	$ 58434	$ 67748
LINGUISTICS					
KEYSER SAMUEL JAY	720594	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 29154	$ 42000
TOTAL LINGUISTICS			1 GRANT(S)	$ 29154	$ 42000
PHILOSOPHY					
HOOKER MICHAEL	730800	WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION	07-01-72	$ 2925	$ 2925

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF HUMANITIES AND FINE ARTS					
PHILOSOPHY					
MCKAY THOMAS	730799	WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION	07-01-72	$ 2925	$ 2925
TOTAL PHILOSOPHY			2 GRANT(S)	$ 5850	$ 5850
TOTAL FACULTY OF HUMANITIES AND FINE ARTS			8 GRANT(S)	$ 205471	$ 238770

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES					
ANTHROPOLOGY					
CARLSON DAVID S	730780	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	05-14-73	$ 2000	$ 2000
CARLSON DAVID S	730781	GEORGE C MARSHALL MEMORIAL FUND	04-06-73	$ 2000	$ 2000
FORMAN SYLVIA H	730801	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	06-08-73	$ 1800	$ 1800
HOURIHAN JOHN J	730400	NATIONAL INSTITUTE OF MENTAL HEALTH	12-13-72	$ 5900	$ 5900
KRASNOW MICHAEL A	730404	SIGMA XI	02-08-73	$ 200	$ 200
MORBECK MARY E	730802	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	06-01-73	$ 1500	$ 1500
MUNN NANCY D	730193	NATIONAL SCIENCE FOUNDATION	04-15-73	$ 24784	$ 28900
WORKMAN PETER L	720103	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	09-01-72	$ 23349	$ 23349
TOTAL ANTHROPOLOGY		8 GRANT(S)		$ 61533	$ 62649
ECONOMICS					
EHRENBERG RONALD G	730003	MANPOWER ADMINISTRATION	11-01-72	$ 14305	$ 18770
GALE BRADLEY T	720624	GENERAL ELECTRIC FOUNDATION	07-01-72	$ 2200	$ 2200
KIHLSTROM RICHARD E	730084	NATIONAL SCIENCE FOUNDATION	01-15-73	$ 29981	$ 41300
SMITH VERNON L	730554	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 22275	$ 32300
TOTAL ECONOMICS		4 GRANT(S)		$ 68761	$ 94570

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES					
POLITICAL SCIENCE					
HOWARDS IRVING	720606	SOCIAL SECURITY ADMINISTRATION	07-01-72	$ 35485	$ 59645
SHANLEY ROBERT A	720184	OFFICE OF WATER RESOURCES RESEARCH	07-01-72	$ 14700	$ 14700
WIARDA HOWARD J	720091	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	07-01-72	$ 18000	$ 29110
TOTAL POLITICAL SCIENCE			3 GRANT(S)	$ 68185	$ 103455
PSYCHOLOGY					
ANDERSON DANIEL R	730070	NATIONAL SCIENCE FOUNDATION	03-01-73	$ 43246	$ 50000
AVERILL JAMES R	730387	NATIONAL INSTITUTE OF EDUCATION	06-27-73	$ 29540	$ 59540
AYRES JOHN J B	720414	NATIONAL SCIENCE FOUNDATION	02-01-73	$ 18080	$ 24700
BEAN JOAN P	720316	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	09-01-72	$ 15101	$ 20817
CARLSON NEIL R	730494	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	06-01-73	$ 14159	$ 19871
CLIFTON CHARLES E JR	720212	NATIONAL INSTITUTE OF MENTAL HEALTH	07-01-72	$ 37857	$ 40772
CLIFTON CHARLES E JR	720297	NATIONAL INSTITUTE OF MENTAL HEALTH	09-01-72	$ 18226	$ 24072
CLIFTON RACHEL K	730388	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	05-01-73	$ 22365	$ 32009
EPSTEIN SEYMOUR	720046	NATIONAL INSTITUTE OF MENTAL HEALTH	09-01-72	$ 41000	$ 52419
GOLANN STUART E	730022	DEPARTMENT OF MENTAL HEALTH	07-01-72	$ 13500	$ 13500
GOLANN STUART E	730134	NATIONAL INSTITUTE OF MENTAL HEALTH	05-01-73	$ 14050	$ 17706
LOUTTIT RICHARD T	730078	GRANT FOUNDATION	01-01-73	$ 209500	$ 225000
MOORE JOHN W	710092	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 1500	$ 1500
MOORE JOHN W	730060	NATIONAL SCIENCE FOUNDATION	01-15-73	$ 30565	$ 40200

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES					
PSYCHOLOGY					
OLLEY JOHN G	730629	DEPARTMENT OF PUBLIC WELFARE	05-01-73	$ 4878	$ 9878
RAUSH HAROLD L	720243	NATIONAL INSTITUTE OF MENTAL HEALTH	07-01-72	$ 95970	$ 102962
STAUB ERVIN	720574	NATIONAL INSTITUTE OF MENTAL HEALTH	06-01-73	$ 20000	$ 28233
STEINER IVAN D	720505	NATIONAL INSTITUTE OF MENTAL HEALTH	09-01-72	$ 17488	$ 22849
TREHUB ARNOLD	720474	CONTROL DATA CORPORATION	01-10-73	$ 3620	$ 5000
TURNER CASTELLANO B	730679	FORD-ROCKEFELLER FOUNDATION PROGRAM	06-01-73	$ 24823	$ 24823
WADE GEORGE N	720537	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE	02-01-73	$ 34238	$ 39377
WILLOUGHBY ROBERT H	720314	NATIONAL INSTITUTE OF MENTAL HEALTH	09-01-72	$ 13300	$ 18671
TOTAL PSYCHOLOGY			22 GRANT(S)	$ 722966	$ 857143
SOCIOLOGY					
GREEN DAN S	720625	FORD FOUNDATION	07-01-72	$ 5000	$ 5000
KORSON J HENRY	720379	SOCIAL SECURITY ADMINISTRATION	02-01-73	$ 21592	$ 39097
SUTTON GORDON F	720571	WORCESTER POLYTECHNIC INSTITUTE	07-01-72	$ 3558	$ 3558
WILKINSON THOMAS O	730598	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	04-13-73	$ 6000	$ 6000
WILKINSON THOMAS O	730804	DEPARTMENT OF PUBLIC HEALTH-DIVISION OF MEDICAL SERVICES	04-13-73	$ 6000	$ 6000
TOTAL SOCIOLOGY			5 GRANT(S)	$ 42150	$ 59025

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES					
SPEECH					
NOBER E MARRIS	720430	SOCIAL AND REHABILITATION SERVICE	09-01-72	$ 25806	$ 26906
TOTAL SPEECH			1 GRANT(S)	$ 25806	$ 26906
TOTAL FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES			43 GRANT(S)	$ 989401	$ 1176036

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
BIOCHEMISTRY					
FOURNIER MAURILLE J JR	730525	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	06-01-73	$ 24814	$ 33480
GAWIENOWSKI ANTHONY M	730406	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	05-01-73	$ 29138	$ 40649
GAWIENOWSKI ANTHONY M	730557	ARMY NATICK LABORATORIES	05-16-73	$ 8775	$ 10006
NORDIN JOHN H	720025	HERMAN FRASCH FOUNDATION	07-01-72	$ 50000	$ 50000
TANG SHIRLEY S	730401	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	10-25-72	$ 7500	$ 7500
WESTHEAD EDWARD W	720268	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	06-01-73	$ 25042	$ 31033
WESTHEAD EDWARD W	730340	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES	04-01-73	$ 27976	$ 38512
TOTAL BIOCHEMISTRY			7 GRANT(S)	$ 173245	$ 210176
BOTANY					
GODFREY PAUL J	730630	NATIONAL PARK SERVICE	06-01-73	$ 34900	$ 34900
GODFREY PAUL J	730755	NATIONAL PARK SERVICE	06-20-73	$ 4029	$ 4029
RUBINSTEIN BERNARD	720557	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 13121	$ 16000
SMITH ALBERT C	720475	NATIONAL SCIENCE FOUNDATION	11-01-72	$ 12750	$ 18200
THOMPSON WILLIAM F	730195	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 56276	$ 67500
WALKER JAMES W	720290	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 23166	$ 29900
TOTAL BOTANY			6 GRANT(S)	$ 144242	$ 170529

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
CHEMISTRY					
BARNES RAMON M	730788	PETROLEUM RESEARCH FUND	09-01-72	$ 1500	$ 1500
BRANDTS JOHN F	730375	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	05-01-73	$ 37456	$ 50814
CARPINO LOUIS A	730789	PETROLEUM RESEARCH FUND	09-01-72	$ 7640	$ 7640
CHIEN JAMES C W	720465	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 30088	$ 40000
CHIEN JAMES C W	730082	NATIONAL SCIENCE FOUNDATION	08-09-72	$ 9550	$ 13000
CHIEN JAMES C W	730123	NATIONAL HEART AND LUNG INSTITUTE	09-01-72	$ 29167	$ 41200
CHIEN JAMES C W	730604	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES	05-01-73	$ 13400	$ 18192
HALVORSON HERBERT R	730024	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	09-01-72	$ 8000	$ 8000
LILLYA C PETER	720405	PETROLEUM RESEARCH FUND	09-01-72	$ 11220	$ 11220
MACKNIGHT WILLIAM J	730486	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 18522	$ 20000
MCEWEN WILLIAM E	720360	NATIONAL SCIENCE FOUNDATION	09-15-72	$ 20806	$ 20500
MILLER BERNARD	730423	PETROLEUM RESEARCH FUND	09-01-72	$ 5500	$ 6000
RAGLE JOHN L	730326	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 13500	$ 13500
RAUSCH MARVIN D	720219	PETROLEUM RESEARCH FUND	09-01-72	$ 6800	$ 6800
RAUSCH MARVIN D	720570	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 19445	$ 26000
RAUSCH MARVIN D	730010	NATIONAL SCIENCE FOUNDATION	01-15-73	$ 5000	$ 5000
RAUSCH MARVIN D	730011	ARMY RESEARCH OFFICE-DURHAM	03-12-73	$ 5000	$ 5000
SIGGIA SIDNEY	730152	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 29696	$ 38900
SIGGIA SIDNEY	730792	PETROLEUM RESEARCH FUND	09-01-72	$ 10000	$ 10000
WILLIAMS RINZY	730770	AMERICAN CHEMICAL SOCIETY	06-25-73	$ 500	$ 500
ZAJICEK OLIVER T	730505	NEW ENGLAND RESEARCH INC	02-14-73	$ 5200	$ 5200
TOTAL CHEMISTRY			21 GRANT(S)	$ 287990	$ 361500

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
GEOLOGY AND GEOGRAPHY					
HAGGERTY STEPHEN E	730140	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	02-01-73	$ 14740	$ 14740
HANDY WALTER A	730402	SIGMA XI	02-08-73	$ 175	$ 175
HARTSHORN JOSEPH H	730155	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	10-03-72	$ 2000	$ 2000
HAYES MILES O	730517	OFFICE OF NAVAL RESEARCH	07-01-72	$ 42050	$ 52251
JEZEK PETER A	730652	SIGMA XI	06-01-73	$ 250	$ 250
MCGILL GEORGE E	730164	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	04-01-73	$ 11300	$ 14980
MORSE STEARNS A	720532	NATIONAL SCIENCE FOUNDATION	11-01-72	$ 14500	$ 18321
MORSE STEARNS A	730153	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 6525	$ 8070
WILKIE RICHARD W	720549	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	06-01-73	$ 40124	$ 50211
TOTAL GEOLOGY AND GEOGRAPHY		9 GRANT(S)		$ 131604	$ 168878
MATHEMATICS AND STATISTICS					
HOROWITZ JOSEPH	730180	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 8437	$ 11800
LIU TENG-SUN	720100	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 6510	$ 9200
MANN LARRY N	730127	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 13986	$ 20000
MARTINDALE WALLACE S	730198	NATIONAL SCIENCE FOUNDATION	03-15-73	$ 5960	$ 8500
ROSENKRANTZ WALTER A	720124	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 4245	$ 5900
RUDVALIS ARUNAS	730181	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 4200	$ 5500
TOTAL MATHEMATICS AND STATISTICS		6 GRANT(S)		$ 43338	$ 60900

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
MICROBIOLOGY					
BIRNBAUM LINDA S	730785	DAMON RUNYON MEMORIAL FUND FOR CANCER RESEARCH INC	02-01-73	$ 8848	$ 8848
CANALE-PAROLA ERCOLE	730157	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	01-01-73	$ 24316	$ 33646
COX CHARLES D	720093	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	07-01-72	$ 47112	$ 50826
COX CHARLES D	720285	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASE	02-01-73	$ 41900	$ 56000
COX CHARLES D	720395	DEPARTMENT OF PUBLIC HEALTH	09-01-72	$ 35082	$ 35082
HOLT STANLEY C	730115	AMHERST COLLEGE	09-05-72	$ 3667	$ 3667
HOLT STANLEY C	730627	AMHERST COLLEGE	06-01-73	$ 12200	$ 12200
LESSIE THOMAS G	730634	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES	06-01-73	$ 16870	$ 29577
MORTLOCK ROBERT P	720501	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	06-01-73	$ 28800	$ 30777
NORKIN LEONARD C	720375	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 11600	$ 11600
NORKIN LEONARD C	730229	NATIONAL CANCER INSTITUTE	02-01-73	$ 27035	$ 33919
REINER ALBEY M	730371	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES	05-01-73	$ 16590	$ 21971
ROSENBERG STEVEN L	730099	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	07-04-72	$ 7742	$ 7742
TOTAL MICROBIOLOGY			13 GRANT(S)	$ 281762	$ 336938
PHYSICS AND ASTRONOMY					
DENT WILLIAM A	730048	NATIONAL SCIENCE FOUNDATION	03-01-73	$ 19400	$ 29200
ENGELSBERG STANLEY	720367	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 56374	$ 79800
GERACE WILLIAM J	730248	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 21242	$ 30000
GOLDENBERG H MARK	720380	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 21850	$ 26850

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PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
PHYSICS AND ASTRONOMY					
HALLOCK ROBERT B	720462	SLOAN FOUNDATION	09-16-72	$ 19300	$ 21855
HALLOCK ROBERT B	730133	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 30440	$ 37400
HOFFMAN ALLAN R	730455	ATOMIC ENERGY COMMISSION	06-01-73	$ 31860	$ 41045
HUGUENIN G RICHARD	720450	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	09-01-72	$ 42756	$ 50000
HUGUENIN G RICHARD	730116	NATIONAL SCIENCE FOUNDATION	01-15-73	$ 105804	$ 132500
IRVINE WILLIAM M	720370	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 20000	$ 20000
IRVINE WILLIAM M	720401	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	09-01-72	$ 29228	$ 39982
IRVINE WILLIAM M	720498	NATIONAL SCIENCE FOUNDATION	11-15-72	$ 13539	$ 18900
KREISLER MICHAEL N	730016	NATIONAL SCIENCE FOUNDATION	01-01-73	$ 87362	$ 105000
PENCHINA CLAUDE M	720255	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 41350	$ 53300
PETERSON GERALD A	720311	OFFICE OF NAVAL RESEARCH	07-01-72	$ 56268	$ 70000
PETERSON GERALD A	730561	OFFICE OF NAVAL RESEARCH	06-30-73	$ 49835	$ 55000
SHAFER JANICE B	730142	ATOMIC ENERGY COMMISSION	01-01-73	$ 117423	$ 149000
STERNHEIM MORTON M	730793	NATIONAL SCIENCE FOUNDATION	07-25-72	$ 13256	$ 18500
STRONG JOHN D	720428	OFFICE OF NAVAL RESEARCH	07-01-72	$ 33156	$ 40701
STRONG JOHN D	720534	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	07-01-72	$ 27829	$ 35000
STRONG JOHN D	730040	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	11-01-72	$ 8270	$ 10147
STRONG JOHN D	730072	ADVANCED RESEARCH PROJECTS AGENCY	01-15-73	$ 51249	$ 66915
STRONG JOHN D	730091	NATIONAL SCIENCE FOUNDATION	01-01-73	$ 11066	$ 15000
TAYLOR JOSEPH H	730137	NATIONAL SCIENCE FOUNDATION	04-01-73	$ 31600	$ 55000
TOTAL PHYSICS AND ASTRONOMY			24 GRANT(S)	$ 940512	$ 1170059

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
ZOOLOGY					
CARTER CLINT E	730424	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	09-01-72	$ 1000	$ 1000
FAIRBAIRN DONALD	720265	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	07-01-72	$ 51000	$ 55080
FAIRBAIRN DONALD	730033	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	11-01-72	$ 45890	$ 60192
HITCHO PAUL J	720633	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	09-01-72	$ 8500	$ 8500
HONIGBERG BRONISLAW M	730520	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	06-01-73	$ 43269	$ 59795
LEVIN BRUCE R	720308	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	06-15-73	$ 29786	$ 30598
RAUCH HAROLD	730410	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE	05-01-73	$ 34650	$ 48170
ROBERTS LARRY S	730358	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	05-01-73	$ 26965	$ 35989
RODRICK GARY E	730100	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	08-05-72	$ 1000	$ 1000
SNEDECOR JAMES G	720588	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	07-01-72	$ 20300	$ 21009
SNYDER DANA P	730314	ATOMIC ENERGY COMMISSION	08-01-72	$ 13346	$ 17500
STARLING JANE A	730438	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	02-02-73	$ 7500	$ 7500
STUART ALASTAIR M	730056	NATIONAL SCIENCE FOUNDATION	01-03-73	$ 8450	$ 10000
WYSE GORDON A	730351	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE	01-01-73	$ 7818	$ 12300
TOTAL ZOOLOGY			14 GRANT(S)	$ 299474	$ 375760
TOTAL FACULTY OF NATURAL SCIENCES AND MATHEMATICS			100 GRANT(S)	$ 2302227	$ 2862206

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF BUSINESS ADMINISTRATION					
ACCOUNTING					
ZEISEL GERALD	730063	MORSE FOUNDATION	09-01-72	$ 1000	$ 1000
TOTAL ACCOUNTING			1 GRANT(S)	$ 1000	$ 1000
GENERAL BUSINESS AND FINANCE					
BALINTFY JOSEPH L	730092	OFFICE OF NAVAL RESEARCH	10-14-72	$ 22088	$ 30000
BALINTFY JOSEPH L	730570	OFFICE OF NAVAL RESEARCH	06-01-73	$ 29940	$ 32000
TOTAL GENERAL BUSINESS AND FINANCE			2 GRANT(S)	$ 52028	$ 62000
TOTAL SCHOOL OF BUSINESS ADMINISTRATION			3 GRANT(S)	$ 53028	$ 63000

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF EDUCATION					
SCHOOL OF EDUCATION					
ALLEN DWIGHT W	720586	CARNEGIE CORPORATION OF NEW YORK	09-01-72	$ 34800	$ 34800
ALLEN DWIGHT W	720631	WORCESTER PUBLIC SCHOOLS	07-03-72	$ 41667	$ 42000
ALLEN DWIGHT W	730006	W K KELLOGG FOUNDATION	09-01-72	$ 156000	$ 156000
CAREW DONALD K	730219	DEPARTMENT OF MENTAL HEALTH	11-01-72	$ 10000	$ 10000
DYE LARRY L	720424	DEPARTMENT OF YOUTH SERVICES	09-01-72	$ 134855	$ 134855
ERTEL KENNETH A	720337	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 55527	$ 55527
ERTEL KENNETH A	720340	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 93250	$ 93250
ERTEL KENNETH A	730028	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 116800	$ 116800
ERTEL KENNETH A	730426	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 8200	$ 8200
ERTEL KENNETH A	730427	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 11800	$ 11800
ERTEL KENNETH A	730592	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 4000	$ 4000
ERTEL KENNETH A	730778	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 1500	$ 1500
ERTEL KENNETH A	730779	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 7000	$ 7000
EVANS DAVID R	730076	AGENCY FOR INTERNATIONAL DEVELOPMENT	01-01-73	$ 19604	$ 24382
EVANS DAVID R	730374	AGENCY FOR INTERNATIONAL DEVELOPMENT	04-01-73	$ 128821	$ 154030
FLIGHT DAVID S	720536	FORD FOUNDATION	09-01-72	$ 320500	$ 320500
GENTRY ATRON A	720629	SPRINGFIELD PUBLIC SCHOOLS	07-01-72	$ 49620	$ 53920
GENTRY ATRON A	720630	WORCESTER PUBLIC SCHOOLS	07-03-72	$ 77280	$ 84000
GENTRY ATRON A	720632	SPRINGFIELD PUBLIC SCHOOLS	07-01-72	$ 17500	$ 19000
GENTRY ATRON A	730023	NEW YORK CITY BOARD OF EDUCATION	07-01-72	$ 339365	$ 368820
GENTRY ATRON A	730761	SPRINGFIELD PUBLIC SCHOOLS	06-25-73	$ 59444	$ 64200
GENTRY ATRON A	730762	WORCESTER PUBLIC SCHOOLS	05-22-73	$ 143560	$ 155000

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINBIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF EDUCATION					
SCHOOL OF EDUCATION					
GORTH WILLIAM P	730424	CONNECTICUT CAPITOL REGION EDUCATION COUNCIL	01-15-73	$ 2430	$ 2430
GORTH WILLIAM P	730508	WESTFIELD PUBLIC SCHOOLS	03-15-73	$ 3000	$ 3000
GORTH WILLIAM P	730612	CONNECTICUT CAPITOL REGION EDUCATION COUNCIL	04-06-73	$ 2584	$ 2584
GORTH WILLIAM P	730646	DEPARTMENT OF EDUCATION	06-01-73	$ 14800	$ 14800
JORDAN DANIEL C	730175	NEW ENGLAND PROGRAMS IN TEACHER EDUCATION	01-01-73	$ 46667	$ 50000
JORDAN DANIEL C	730736	HUMAN RESOURCES CORPORATION	06-01-73	$ 41114	$ 41114
KONICEK RICHARD D	730147	NATIONAL SCIENCE FOUNDATION	06-25-73	$ 20360	$ 22095
MCCOY RHODY A	730725	OFFICE OF ECONOMIC OPPORTUNITY	06-18-73	$ 120370	$ 130000
MCCOY RHODY A	730726	DEPARTMENT OF LABOR	06-18-73	$ 199907	$ 215900
MCCOY RHODY A	730727	DEPARTMENT OF HEALTH, EDUCATION AND WELFARE	06-18-73	$ 92592	$ 100000
MCCOY RHODY A	730772	GOVERNORS PUBLIC SAFETY COMMITTEE	06-15-73	$ 20268	$ 20268
ROSSMAN MARK H	720580	WORCESTER PUBLIC SCHOOLS	07-01-72	$ 30000	$ 30000
ROSSMAN MARK H	720581	NEW ENGLAND CENTER FOR CONTINUING EDUCATION	07-01-72	$ 31999	$ 31999
RUDMAN MASHA	720371	NEW ENGLAND PROGRAM IN TEACHER EDUCATION	08-15-72	$ 7500	$ 7500
RUDMAN MASHA	720372	NEW ENGLAND PROGRAM IN TEACHER EDUCATION	07-01-72	$ 46000	$ 46000
SCHIMMEL DAVID M	720383	OFFICE OF EDUCATION	07-01-72	$ 27750	$ 30000
SCHIMMEL DAVID M	730002	OFFICE OF EDUCATION	07-05-72	$ 238164	$ 247576
WELLMAN ROBERT R	730005	NATIONAL ENDOWMENT FOR THE HUMANITIES	09-01-72	$ 31280	$ 39000
WELLMAN ROBERT R	730586	ROCKEFELLER FOUNDATION	05-01-73	$ 50000	$ 50000
WYMAN RAYMOND	720528	OFFICE OF EDUCATION	09-01-72	$ 310816	$ 302497
WYMAN RAYMOND	730654	BUREAU OF EDUCATION AND TRAINING OF THE HANDICAPPED	04-01-73	$ 121206	$ 120236
TOTAL SCHOOL OF EDUCATION			43 GRANT(S)	$ 3295900	$ 3437193
TOTAL SCHOOL OF EDUCATION			43 GRANT(S)	$ 3295900	$ 3437193

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CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF ENGINEERING					
OFFICE OF THE DEAN(ENGINEERING)					
COLONELL JOSEPH M	720284	OFFICE OF NAVAL RESEARCH	09-01-72	$ 61352	$ 80397
MARCUS JOSEPH S	720306	ATOMIC ENERGY COMMISSION	07-01-72	$ 3100	$ 3812
MARCUS JOSEPH S	730013	DUKE UNIVERSITY	04-04-73	$ 7615	$ 7615
RITTER JOHN E	730577	GENERAL ELECTRIC FOUNDATION	06-29-73	$ 6000	$ 6000
WARD ROSBOE F	730061	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 37670	$ 37670
TOTAL OFFICE OF THE DEAN(ENGINEERING)			5 GRANT(S)	$ 115737	$ 137497
CHEMICAL ENGINEERING					
ADERHOLD JAMES L JR	730760	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 6600	$ 6600
DOUGLAS JAMES M	730506	NATIONAL SCIENCE FOUNDATION	02-15-73	$ 17725	$ 29800
MCAVOY THOMAS J	720412	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 32950	$ 45000
SHORT W LEIGH	730466	DYNATECH CORPORATION	06-28-73	$ 49469	$ 68169
SHORT W LEIGH	730552	NATIONAL SCIENCE FOUNDATION	05-15-73	$ 17069	$ 17800
VANPEE MARCEL	720525	BUREAU OF MINES	06-01-73	$ 2300	$ 2300
TOTAL CHEMICAL ENGINEERING			6 GRANT(S)	$ 126101	$ 169669
CIVIL ENGINEERING					
ADRIAN DONALD D	720177	BUREAU OF HEALTH MANPOWER EDUCATION	07-01-72	$ 24173	$ 24173

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF ENGINEERING					
CIVIL ENGINEERING					
ADRIAN DONALD D	720411	ENVIRONMENTAL PROTECTION AGENCY	07-01-72	$ 56900	$ 56906
ARCHER ROBERT R	720611	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 3436	$ 5000
BEMBEN STANLEY M	730564	CHICOPEE BORING AND TESTING LABORATORIES	06-01-73	$ 8100	$ 8100
BEMBEN STANLEY M	730565	ARMY CORPS OF ENGINEERS	06-01-73	$ 1590	$ 1912
DIGIANO FRANCIS A	730514	WATER RESOURCES COMMISSION	06-01-73	$ 172000	$ 172000
FENG TSUAN HUA	730512	WATER RESOURCES COMMISSION	06-01-73	$ 59500	$ 59500
HALITSKY JAMES	720436	ENVIRONMENTAL PROTECTION AGENCY	07-01-72	$ 61500	$ 47100
HERONEMUS WILLIAM E	730108	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 25200	$ 25200
KOS PETER	720531	ENVIRONMENTAL PROTECTION AGENCY	09-01-72	$ 6100	$ 6100
KUZMINSKI LAWRENCE N	730513	WATER RESOURCES COMMISSION	06-01-73	$ 94000	$ 94000
NASH WILLIAM A	720028	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	08-01-72	$ 12651	$ 17081
NASH WILLIAM A	720369	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 6800	$ 6800
NASH WILLIAM A	730007	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 4980	$ 8000
STOKOE KENNETH H	730242	NATIONAL SCIENCE FOUNDATION	04-01-73	$ 12065	$ 16900
TOTAL CIVIL ENGINEERING			15 GRANT(S)	$ 549025	$ 595971
COMMONWEALTH INDUSTRIAL TECHNOLOGY					
SEGOOL HOWARD D	730327	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 37500	$ 54900
TOTAL COMMONWEALTH INDUSTRIAL TECHNOLOGY			1 GRANT(S)	$ 37500	$ 54900

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF ENGINEERING					
INDUSTRIAL ENGINEERING AND OPERATIONS					
GIGLIO RICHARD J	720554	NEW ENGLAND ELECTRIC SYSTEM	07-15-72	$ 18340	$ 25956
RISING EDWARD J	730289	NATIONAL CENTER FOR HEALTH SERVICES RESEARCH AND DEVELOPMENT	06-30-73	$ 64400	$ 101900
TOTAL INDUSTRIAL ENGINEERING AND OPERATIONS			2 GRANT(S)	$ 82740	$ 127857
ELECTRICAL AND COMPUTER ENGINEERING					
FRANKS LEWIS E	720410	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	09-16-72	$ 20621	$ 28479
HASHIMOTO KAZUHIKO	730435	NATIONAL ACADEMY OF SCIENCES	09-01-72	$ 3000	$ 3000
HUTCHINSON CHARLES E	720328	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	07-01-72	$ 13629	$ 18015
KOHLER WALTER H	730237	NATIONAL SCIENCE FOUNDATION	04-01-73	$ 12120	$ 17000
MCINTOSH ROBERT E	730001	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	12-01-72	$ 20000	$ 20000
MCINTOSH ROBERT E	730220	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 13000	$ 13000
MONOPOLI RICHARD V	720573	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	02-01-73	$ 18325	$ 25000
TANG TING-WEI	730491	NATIONAL SCIENCE FOUNDATION	04-01-73	$ 3580	$ 5000
THOMAS IAN B	730414	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE	05-01-73	$ 32975	$ 46790
YNGVESSON K SIGFRID	730268	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 66926	$ 78000
TOTAL ELECTRICAL AND COMPUTER ENGINEERING			10 GRANT(S)	$ 204176	$ 252935

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF ENGINEERING					
MECHANICAL AND AEROSPACE ENGINEERING					
BOOTHROYD GEOFFREY	720561	NATIONAL SCIENCE FOUNDATION	03-31-73	$ 49000	$ 59800
CROSSLEY F R ERSKINE	720612	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	07-01-72	$ 17463	$ 26010
DIXON JOHN R	730775	EASTMAN KODAK COMPANY	06-28-73	$ 6000	$ 6000
HORVAY GABRIEL	730161	COMBUSTION ENGINEERING INC	09-16-72	$ 4000	$ 4000
KIRCHHOFF ROBERT H	730138	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 13520	$ 19500
MAY THOMAS	720529	NORTON COMPANY	07-01-72	$ 4750	$ 4750
WILSON WILLIAM R D	720459	SOCIETY OF MANUFACTURING ENGINEERS	09-01-72	$ 10000	$ 10000
WILSON WILLIAM R D	730428	SMITH KLINE AND FRENCH LABORATORIES	01-11-73	$ 6000	$ 6000
ZAHRADNIK JOHN W	720592	TOWN OF MATTAPOISETT	07-01-72	$ 4000	$ 4000
ZAHRADNIK JOHN W	720593	TOWN OF MARION	07-01-72	$ 4000	$ 4000
ZAHRADNIK JOHN W	730589	WOMANS SEAMANS FRIEND SOCIETY OF CONNECTICUT	05-15-73	$ 3000	$ 3000
ZAHRADNIK JOHN W	730609	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	04-12-73	$ 1000	$ 1000
TOTAL MECHANICAL AND AEROSPACE ENGINEERING			12 GRANT(S)	$ 122733	$ 140720
TOTAL SCHOOL OF ENGINEERING			51 GRANT(S)	$ 1238012	$ 1424124

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
GRADUATE SCHOOL					
OFFICES OF THE DEANS(GRADUATE SCHOOL)					
APPLEY MORTIMER H	730662	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 3819	$ 3819
CAMERINO PAT W	720553	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 38055	$ 38055
CAMERINO PAT W	730384	NATIONAL INSTITUTES OF HEALTH-DIVISION OF RESEARCH RESOURCES	06-01-73	$ 24014	$ 24014
PIEDMONT EUGENE B	720443	NATIONAL SCIENCE FOUNDATION	09-30-72	$ 59307	$ 59307
PIEDMONT EUGENE B	730603	OFFICE OF EDUCATION	09-01-72	$ 196100	$ 196100
TOTAL OFFICES OF THE DEANS(GRADUATE SCHOOL)			5 GRANT(S)	$ 321295	$ 321295
COMPUTER AND INFORMATION SCIENCE					
ARBIB MICHAEL A	720519	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 50578	$ 70500
ARBIB MICHAEL A	730389	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE	05-01-73	$ 62710	$ 81845
GREENE PETER H	730199	OFFICE OF NAVAL RESEARCH	01-01-73	$ 29465	$ 30000
LEDGARD HENRY F	730562	NATIONAL BUREAU OF STANDARDS	04-16-73	$ 4560	$ 6500
LEE JOHN A N	730468	NATIONAL BUREAU OF STANDARDS	06-04-73	$ 6324	$ 9024
RISEMAN EDWARD M	730149	OFFICE OF NAVAL RESEARCH	02-28-73	$ 15951	$ 22000
TOTAL COMPUTER AND INFORMATION SCIENCE			6 GRANT(S)	$ 169588	$ 220269
MARINE STATION					
SHAH NAVIN M	730293	NATIONAL SCIENCE FOUNDATION	05-15-73	$ 21980	$ 29800

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
GRADUATE SCHOOL MARINE STATION					
YENTSCH CHARLES S	720558	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	07-01-72	$ 15971	$ 16500
YENTSCH CHARLES S	730090	ATOMIC ENERGY COMMISSION	09-01-72	$ 25000	$ 37000
YENTSCH CHARLES S	730156	US COAST GUARD	07-01-72	$ 2350	$ 2350
YENTSCH CHARLES S	730649	MASSACHUSETTS SCIENCE AND TECHNOLOGY FOUNDATION	06-01-73	$ 7404	$ 10000
TOTAL MARINE STATION			5 GRANT(S)	$ 72705	$ 75850
POLYMER SCIENCE AND ENGINEERING					
KARASZ FRANK E	720439	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 190072	$ 225000
TOTAL POLYMER SCIENCE AND ENGINEERING			1 GRANT(S)	$ 190072	$ 225000
POLYMER RESEARCH INSTITUTE					
KARASZ FRANK E	730531	NATIONAL SCIENCE FOUNDATION	03-09-73	$ 3475	$ 4800
LENZ ROBERT W	730245	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 30600	$ 42000
MACKNIGHT WILLIAM J	720039	PETROLEUM RESEARCH FUND	09-01-72	$ 7000	$ 8400
PORTER ROGER S	720220	PETROLEUM RESEARCH FUND	09-01-72	$ 9500	$ 10000
PORTER ROGER S	730315	ARMY MATERIALS RESEARCH AGENCY - WATERTOWN MA	12-01-72	$ 25000	$ 25000
PRICE FRASER P	730049	NATIONAL HEART AND LUNG INSTITUTE	11-01-72	$ 15600	$ 22200
PRICE FRASER P	730574	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 14900	$ 21100

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
GRADUATE SCHOOL					
POLYMER RESEARCH INSTITUTE					
SANCHEZ ISAAC	730202	NATIONAL SCIENCE FOUNDATION	04-01-73	$ 11665	$ 17000
STEIN RICHARD S	720615	UNIROYAL INC	09-01-72	$ 3000	$ 3000
STEIN RICHARD S	730057	GENERAL TIRE AND RUBBER COMPANY	09-01-72	$ 6000	$ 6000
STEIN RICHARD S	730260	NATIONAL HEART AND LUNG INSTITUTE	03-01-73	$ 15000	$ 20997
STEIN RICHARD S	730439	UNIROYAL INC	02-09-73	$ 3000	$ 3000
STEIN RICHARD S	730507	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 19456	$ 25100
STEIN RICHARD S	730509	GENERAL ELECTRIC COMPANY	03-01-73	$ 12000	$ 12000
STEIN RICHARD S	730784	XEROX CORPORATION	09-01-72	$ 5000	$ 5000
VOGL OTTO	720476	ARMY RESEARCH OFFICE-DURHAM	10-10-72	$ 10300	$ 13709
VOGL OTTO	720477	NATIONAL SCIENCE FOUNDATION	10-01-72	$ 40500	$ 52300
VOGL OTTO	720502	OFFICE OF SALINE WATER	09-01-72	$ 37468	$ 50000
VOGL OTTO	730052	ARMY MATERIALS RESEARCH AGENCY - WATERTOWN MA	01-01-73	$ 8150	$ 10986
VOGL OTTO	730783	XEROX CORPORATION	09-01-72	$ 5000	$ 5000
TOTAL POLYMER RESEARCH INSTITUTE			20 GRANT(S)	$ 282614	$ 358141
WATER RESOURCES RESEARCH CENTER					
BERGER BERNARD B	720445	OFFICE OF WATER RESOURCES RESEARCH	07-01-72	$ 100000	$ 100000
KAYNOR EDWARD R	720269	OFFICE OF WATER RESOURCES RESEARCH	02-01-73	$ 56277	$ 80784
TOTAL WATER RESOURCES RESEARCH CENTER			2 GRANT(S)	$ 156277	$ 180784
TOTAL GRADUATE SCHOOL			39 GRANT(S)	$ 1192551	$ 1401139

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF HOME ECONOMICS					
HUMAN DEVELOPMENT					
FORMAN GEORGE E	730408	NATIONAL INSTITUTE OF EDUCATION	06-27-73	$ 7582	$ 9855
TOTAL HUMAN DEVELOPMENT			1 GRANT(S)	$ 7582	$ 9855
TOTAL SCHOOL OF HOME ECONOMICS			1 GRANT(S)	$ 7582	$ 9855

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF NURSING					
SCHOOL OF NURSING					
EARLES VIRGINIA L	720332	BUREAU OF HEALTH MANPOWER EDUCATION	09-01-72	$ 43386	$ 43386
GOODMAN LILLIAN R	720446	BUREAU OF HEALTH MANPOWER EDUCATION	07-01-72	$ 6156	$ 6156
GOODMAN LILLIAN R	720447	BUREAU OF HEALTH MANPOWER EDUCATION	07-01-72	$ 88441	$ 88441
PETRUNENKO CONSTANCE	730182	BUREAU OF HEALTH MANPOWER EDUCATION	02-01-73	$ 25467	$ 27141
SALENIUS HILDEGARD M	720206	NATIONAL INSTITUTE OF MENTAL HEALTH	07-01-72	$ 52051	$ 52973
SMITH RUTH A	730769	NATIONAL FUND FOR GRADUATE NURSING EDUCATION	05-01-73	$ 1800	$ 1800
WINDER ALVIN E	720208	NATIONAL INSTITUTE OF MENTAL HEALTH	07-01-72	$ 24673	$ 24598
TOTAL SCHOOL OF NURSING			7 GRANT(S)	$ 241974	$ 247625
TOTAL SCHOOL OF NURSING			7 GRANT(S)	$ 241974	$ 247625

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF PHYSICAL EDUCATION					
PHYSICAL EDUCATION FOR MEN					
EDINGTON DEE W	730296	ACMAT CORPORATION	01-01-73	$ 25000	$ 25000
TOTAL PHYSICAL EDUCATION FOR MEN			1 GRANT(S)	$ 25000	$ 25000
TOTAL SCHOOL OF PHYSICAL EDUCATION			1 GRANT(S)	$ 25000	$ 25000

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
DEPARTMENT OF PUBLIC HEALTH					
DEPARTMENT OF PUBLIC HEALTH					
DARITY WILLIAM A	720174	BUREAU OF HEALTH MANPOWER EDUCATION	09-01-72	$ 34287	$ 34287
MOUSTAFA A TAHER	720175	BUREAU OF HEALTH MANPOWER EDUCATION	09-01-72	$ 13650	$ 13650
PETERS HOWARD A	720176	BUREAU OF HEALTH MANPOWER EDUCATION	09-01-72	$ 14120	$ 14120
REED GEORGE	730117	BUREAU OF HEALTH MANPOWER EDUCATION	01-08-73	$ 9223	$ 9223
TOTAL DEPARTMENT OF PUBLIC HEALTH			4 GRANT(S)	$ 71280	$ 71280
TOTAL DEPARTMENT OF PUBLIC HEALTH			4 GRANT(S)	$ 71280	$ 71280

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
CONTINUING EDUCATION					
CONTINUING EDUCATION					
VENMAN WILLIAM C	730367	BOARD OF HIGHER EDUCATION	06-01-73	$ 30551	$ 31550
TOTAL CONTINUING EDUCATION			1 GRANT(S)	$ 30551	$ 31550
TOTAL CONTINUING EDUCATION			1 GRANT(S)	$ 30551	$ 31550
TOTAL NUMBER OF AWARDS AMHERST CAMPUS FY 73		380		$ 12170013	$ 13629848

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGES I, II & III					
ENGLISH					
FERGUSON MARYANNE	730046	NATIONAL ENDOWMENT FOR THE HUMANITIES	06-01-73	$ 29885	$ 30124
TOTAL ENGLISH			1 GRANT(S)	$ 29885	$ 30124

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGES I, II & III					
ANTHROPOLOGY					
AYRES BARBARA	730639	EXETER INTERNATIONAL CORPORATION	10-24-72	$ 1000	$ 1000
TOTAL ANTHROPOLOGY			1 GRANT(S)	$ 1000	$ 1000
PSYCHOLOGY					
KRAMER BERNARD M	730131	MAURICE FALK MEDICAL FUND	09-01-72	$ 17000	$ 17000
KRAMER BERNARD M	730708	MEDICAL RESEARCH FOUNDATION OF BOSTON INC	12-01-72	$ 1250	$ 1250
TOTAL PSYCHOLOGY			2 GRANT(S)	$ 18250	$ 18250

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGES I,II & III					
BIOLOGY					
BENNETT RUTH R	720435	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 5300	$ 5300
MENGE BRUCE A	720440	NATIONAL SCIENCE FOUNDATION	09-15-72	$ 19499	$ 25000
WHITE RICHARD H	720359	NATIONAL EYE INSTITUTE	09-01-72	$ 28210	$ 33068
TOTAL BIOLOGY			3 GRANT(S)	$ 53009	$ 63368
CHEMISTRY					
ALPER JOSEPH S	730790	PETROLEUM RESEARCH FUND	09-25-72	$ 2500	$ 2500
ANSELME JEAN-PIERRE L	730045	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	09-01-72	$ 15050	$ 20037
LAUFER DANIEL A	720294	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	06-15-73	$ 20000	$ 27310
TOTAL CHEMISTRY			3 GRANT(S)	$ 37550	$ 50847
PHYSICS					
GINSBERG EDWARD S	730432	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 5010	$ 6900
TOTAL PHYSICS			1 GRANT(S)	$ 5010	$ 6900

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
OFFICE OF THE CHANCELLOR					
ANRIG GREGORY R	730437	FORD FOUNDATION	09-01-72	$ 380655	$ 503250
ANRIG GREGORY R	730744	BOSTON SCHOOL COMMITTEE	11-01-72	$ 19810	$ 19810
CASE JAMES A	730429	BOARD OF HIGHER EDUCATION	05-18-73	$ 46728	$ 46728
CASE JAMES A	730773	BOSTON SCHOOL COMMITTEE	01-31-73	$ 3650	$ 3650
CASE JAMES A	730776	BOSTON SCHOOL COMMITTEE	03-30-73	$ 1675	$ 1675
DANIELS MARYANN	730794	OFFICE OF EDUCATION	04-17-73	$ 2540	$ 2540
GETSON JACOB	720627	BOARD OF HIGHER EDUCATION	07-01-72	$ 16759	$ 16759
GETSON JACOB	720637	BOARD OF HIGHER EDUCATION	07-01-72	$ 16900	$ 18220
GETSON JACOB	730393	NATIONAL SCIENCE FOUNDATION	12-15-72	$ 6210	$ 6210
GETSON JACOB	730436	PETER E STRAUSS FOUNDATION	09-01-72	$ 1500	$ 1500
GETSON JACOB	730628	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	03-26-73	$ 18575	$ 25000
GILARDE THOMAS J	730795	OFFICE OF EDUCATION	04-17-73	$ 2540	$ 2540
GREENFIELD GERALD	720618	OFFICE OF EDUCATION	09-11-72	$ 88426	$ 95500
GREENFIELD GERALD	730144	OFFICE OF EDUCATION	09-11-72	$ 92000	$ 100000
GREENFIELD GERALD	730715	OFFICE OF EDUCATION	06-15-73	$ 91204	$ 98500
HAMILTON WILLIAM R	730759	OFFICE OF EDUCATION	06-30-73	$ 40611	$ 40611
HAMILTON WILLIAM R	730766	ANONYMOUS GIFT	04-27-73	$ 10000	$ 10000
HAMILTON WILLIAM R	730782	OFFICE OF EDUCATION	06-30-73	$ 5000	$ 5000
ROSS JOANNE A	730111	UNIVERSITY YEAR FOR ACTION	08-28-72	$ 88054	$ 95076
SHUFRO STEPHEN	730777	DEPARTMENT OF CORRECTION	06-20-73	$ 33000	$ 33000
SLAVET JOSEPH	730752	COMMITTEE OF THE PERMANENT CHARITY FUND INC	06-30-73	$ 20000	$ 20000
SLAVET JOSEPH	730753	MABEL LOUISE RILEY TRUST	06-30-73	$ 5500	$ 5500
TOTAL OFFICE OF THE CHANCELLOR			22 GRANT(S)	$ 931337	$ 951101

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - BOSTON CAMPUS

PRINBIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
PROVOSTS OFFICE					
MARSHALL DOROTHY	730757	CARNEGIE CORPORATION OF NEW YORK	09-01-72	$ 400000	$ 400000
TOTAL PROVOSTS OFFICE			1 GRANT(S)	$ 400000	$ 400000
PLAN					
FOWLE			06-28-73	$ 48216	$ 73240
			(S)	$ 48216	$ 73240
			(S)	$ 1439553	$ 1429941
				$ 1584257	$ 1592938

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
OFFICE OF THE CHANCELLOR					
ANRIG GREGORY R	730437	FORD FOUNDATION	09-01-72	$ 380625	$ 303250
ANRIG GREGORY R	730744	BOSTON SCHOOL COMMITTEE	11-01-72	$ 19810	$ 19810
CASE JAMES A	730429	BOARD OF HIGHER EDUCATION	05-18-73	$ 46728	$ 46728
CASE JAMES A	730773	BOSTON SCHOOL COMMITTEE	01-31-73	$ 3650	$ 3650
CASE JAMES A	730776	BOSTON SCHOOL COMMITTEE	03-30-73	$ 1675	$ 1675
DANIELS MARYANN	730794	OFFICE OF EDUCATION	04-17-73	$ 2540	$ 2540
GETSON JACOB	720627	BOARD OF HIGHER EDUCATION	07-01-72	$ 16759	$ 16759
GETSON JACOB	720637	BOARD OF HIGHER EDUCATION	07-01-72	$ 16900	$ 18250
GETSON JACOB	730393	NATIONAL SCIENCE FOUNDATION	12-15-72	$ 6210	$ 6210
GETSON JACOB	730436	PETER E STRAUSS FOUNDATION	09-01-72	$ 1500	$ 1500
GETSON JACOB	730628	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY	03-26-73	$ 18575	$ 25000
GILARDE THOMAS J	730795	OFFICE OF EDUCATION	04-17-73	$ 2540	$ 2540
GREENFIELD GERALD	720618	OFFICE OF EDUCATION	09-11-72	$ 88426	$ 95500
GREENFIELD GERALD	730144	OFFICE OF EDUCATION	09-11-72	$ 92000	$ 100000
GREENFIELD GERALD	730715	OFFICE OF EDUCATION	06-15-73	$ 91204	$ 98500
HAMILTON WILLIAM R	730759	OFFICE OF EDUCATION	06-30-73	$ 40611	$ 40611
HAMILTON WILLIAM R	730766	ANONYMOUS GIFT	04-27-73	$ 10000	$ 10000
HAMILTON WILLIAM R	730782	OFFICE OF EDUCATION	06-30-73	$ 5000	$ 5000
ROSS JOANNE A	730111	UNIVERSITY YEAR FOR ACTION	08-28-72	$ 88054	$ 95070
SHUFRO STEPHEN	730777	DEPARTMENT OF CORRECTION	06-20-73	$ 33000	$ 33000
SLAVET JOSEPH	730752	COMMITTEE OF THE PERMANENT CHARITY FUND INC	06-30-73	$ 20000	$ 20000
SLAVET JOSEPH	730753	MABEL LOUISE RILEY TRUST	06-30-73	$ 5500	$ 5500

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - BOSTON CAMPUS

PRINBIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
PROVOSTS OFFICE					
MARSHALL DOROTHY	730757	CARNEGIE CORPORATION OF NEW YORK	09-01-72	$ 400000	$ 400000
TOTAL PROVOSTS OFFICE			1 GRANT(S)	$ 400000	$ 400000
PLANNING AND DEVELOPMENT					
FOWLER JACK	730728	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	06-28-73	$ 48216	$ 73290
TOTAL PLANNING AND DEVELOPMENT			1 GRANT(S)	$ 48216	$ 73290
TOTAL ADMINISTRATIVE OFFICES			24 GRANT(S)	$ 1439553	$ 1929991
TOTAL NUMBER OF AWARDS BOSTON CAMPUS FY 73	35			$ 1584257	$ 1992438

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - WORCESTER CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
INSTRUCTION					
ANATOMY					
CHLAPOWSKI FRANCIS J	730626	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	05-01-73	$ 11574	$ 13744
CLARK SAM L JR	730291	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 29976	$ 38000
TOTAL ANATOMY			2 GRANT(S)	$ 41550	$ 51744
BIOCHEMISTRY					
BUTCHER REGINALD W	730087	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES	11-01-72	$ 48722	$ 62801
FLATT JEAN-PIERRE	730599	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES	06-30-73	$ 45358	$ 61494
HITTELMAN KARL J	730184	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 36236	$ 43000
HONEYMAN THOMAS H	730607	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	04-01-73	$ 6500	$ 6500
TOTAL BIOCHEMISTRY			4 GRANT(S)	$ 136816	$ 173855
COMMUNITY MEDICINE					
FULMER HUGH S	730178	TRI-STATE REGIONAL MEDICAL PROGRAM	10-24-72	$ 24894	$ 24894
FULMER HUGH S	730504	BOARD OF HIGHER EDUCATION	03-01-73	$ 15500	$ 15500
FULMER HUGH S	730709	WORCESTER-FRANKLIN HEALTH ASSOCIATION INC	06-01-73	$ 5000	$ 5000
TOTAL COMMUNITY MEDICINE			3 GRANT(S)	$ 45394	$ 45394

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - WORCESTER CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
INSTRUCTION					
MICROBIOLOGY					
BERGHAN KOSTIA	730398	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	08-11-72	$ 1000	$ 1000
TABER ROBERT L JR	720349	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	09-01-72	$ 37525	$ 42714
TIPPER DONALD J	720052	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	06-15-73	$ 54406	$ 65734
TOTAL MICROBIOLOGY			3 GRANT(S)	$ 92931	$ 109446
PHYSIOLOGY					
FAY FREDERIC S	730274	NATIONAL HEART AND LUNG INSTITUTE	06-01-73	$ 14581	$ 16980
GOODMAN H MAURICE	720642	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES	09-01-72	$ 37149	$ 47307
GRIGG PETER	730541	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE	06-01-73	$ 8245	$ 10272
SINGER JOSHUA J	730132	MASSACHUSETTS HEART ASSOCIATION	01-01-73	$ 7450	$ 8500
TOTAL PHYSIOLOGY			4 GRANT(S)	$ 67425	$ 83150
TOTAL INSTRUCTION			16 GRANT(S)	$ 884114	$ 903289

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - WORCESTER CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
OFFICE OF THE DEAN(MEDICAL SCHOOL)					
BUTCHER REGINALD W	730129	NATIONAL INSTITUTES OF HEALTH-DIVISION OF RESEARCH RESOURCES	01-01-73	$ 14414	$ 14414
SOUTTER LAMAR	720645	BUREAU OF HEALTH MANPOWER EDUCATION	07-01-72	$ 120748	$ 120748
TOTAL OFFICE OF THE DEAN(MEDICAL SCHOOL)			2 GRANT(S)	$ 135162	$ 135162
TOTAL ADMINISTRATIVE OFFICES			2 GRANT(S)	$ 135162	$ 135162
TOTAL NUMBER OF AWARDS WORCESTER CAMPUS FY 73		18		$ 519276	$ 528751

CURRENT AWARDS BY ACADEMIC UNIT FY 73 - ALL CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
OFFICE OF THE PRESIDENT					
WOOD ROBERT C	720607	OFFICE OF EDUCATION	07-01-72	$ 873247	$ 873247
WOOD ROBERT C	720608	OFFICE OF EDUCATION	07-01-72	$ 755475	$ 755475
WOOD ROBERT C	730394	NATIONAL SCIENCE FOUNDATION	12-15-72	$ 5708	$ 5708
WOOD ROBERT C	730806	FORD FOUNDATION	11-03-72	$ 32500	$ 32500
TOTAL OFFICE OF THE PRESIDENT			4 GRANT(S)	$ 1666930	$ 1666930
INSTITUTE FOR GOVERNMENTAL SERVICES					
DONAHUE MAURICE A	730606	OFFICE OF THE COMMISSIONER OF PROBATION	04-01-73	$ 21265	$ 22500
DONAHUE MAURICE A	730787	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	08-26-72	$ 59544	$ 68150
EVE ARTHUR W	730359	DEPARTMENT OF EDUCATION	02-01-73	$ 5000	$ 5000
EVE ARTHUR W	730521	CITY OF HOLYOKE MA	04-26-73	$ 9990	$ 9990
EVE ARTHUR W	730605	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	02-05-73	$ 102311	$ 102311
EVE ARTHUR W	730803	FIREFIGHTING ACADEMY	01-19-73	$ 3000	$ 3000
TOTAL INSTITUTE FOR GOVERNMENTAL SERVICES			6 GRANT(S)	$ 201110	$ 210937
TOTAL ADMINISTRATIVE OFFICES			10 GRANT(S)	$ 1868040	$ 1877867
TOTAL NUMBER OF AWARDS ALL CAMPUS FY 73	10			$ 1868040	$ 1877867

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CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
VICE CHANCELLOR FOR ACADADEMIC AFFAIRS AND PROVOST					
VENMAN W C	730283	NATIONAL ENDOWMENT FOR THE HUMANITIES	05-01-73	$ 36491	$ 40420
TOTAL VICE CHANCELLOR FOR ACADADEMIC AFFAIRS AND PROVOST			1 GRANT(S)	$ 36491	$ 40420
PROVOSTS OFFICE					
STMARY D	730524	STUDENT SPECIAL SERVICES PROGRAMS	08-15-73	$ 46296	$ 50000
TOTAL PROVOSTS OFFICE			1 GRANT(S)	$ 46296	$ 50000
INSTITUTE FOR MAN AND HIS ENVIRONMENT					
LEWIS M	720571	WORCESTER POLYTECHNIC INSTITUTE	07-01-72	$ 3558	$ 3558
TRAVIS R	730630	NATIONAL PARK SERVICE	08-01-73	$ 34900	$ 34900
ZUBE E H	730552	NATIONAL SCIENCE FOUNDATION	05-15-73	$ 17063	$ 17800
TOTAL INSTITUTE FOR MAN AND HIS ENVIRONMENT			3 GRANT(S)	$ 55521	$ 56258
TOTAL ADMINISTRATIVE OFFICES			5 GRANT(S)	$ 138808	$ 146678

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
CRANBERRY EXPERIMENT STATION					
CROSS C E	730768	CHEVRON CHEMICAL COMPANY	06-01-73	$ 500	$ 500
DEUBERT K H	730165	WHITMAN AND HOWARD INC	09-01-72	$ 630	$ 630
TOTAL CRANBERRY EXPERIMENT STATION			2 GRANT(S)	$ 1130	$ 1130
SUBURBAN EXPERIMENT STATION					
GENTILE A G	730103	SHELL DEVELOPMENT COMPANY	07-03-72	$ 500	$ 500
NAEGELE J A	730038	ENVIRONMENTAL PROTECTION AGENCY	05-14-73	$ 13875	$ 15000
NAEGELE J A	730608	NCR-AM AGRICULTURAL PRODUCTS INC	04-01-73	$ 200	$ 500
NAEGELE J A	730724	SHELL DEVELOPMENT COMPANY	05-26-73	$ 500	$ 500
NAEGELE J A	730733	CHEMAGRO DIVISION-BAYCHEM CORP	04-01-73	$ 500	$ 500
TOTAL SUBURBAN EXPERIMENT STATION			5 GRANT(S)	$ 14775	$ 16700
FOOD AND AGRICULTURAL ENGINEERING					
PUROHIT K S	730301	FOOD AND DRUG ADMINISTRATION	06-29-73	$ 28100	$ 41750
TOTAL FOOD AND AGRICULTURAL ENGINEERING			1 GRANT(S)	$ 28100	$ 41750

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
FOOD SCIENCE AND TECHNOLOGY					
NAWAR W W	720635	MIRLIN CORPORATION	07-01-72	$ 4000	$ 4000
TOTAL FOOD SCIENCE AND TECHNOLOGY			1 GRANT(S)	$ 4000	$ 4000
FORESTRY AND WILDLIFE MANAGEMENT					
COLE C F	730160	DEPARTMENT OF NATURAL RESOURCES	10-01-72	$ 8250	$ 8250
GATSLICK H B	730064	DEPARTMENT OF AGRICULTURE	07-17-72	$ 9000	$ 9000
KELLY G M	730088	BUREAU OF SPORT FISHERIES AND WILDLIFE	09-01-72	$ 4600	$ 4600
LARSON J S	730798	DEPARTMENT OF NATURAL RESOURCES	09-01-72	$ 3845	$ 3845
RHODES A D	730529	DARWORTH INC	08-01-73	$ 1000	$ 1000
TOTAL FORESTRY AND WILDLIFE MANAGEMENT			5 GRANT(S)	$ 26495	$ 26495
PLANT AND SOIL SCIENCES					
MAYNARD D N	720049	FOOD AND DRUG ADMINISTRATION	09-01-72	$ 29440	$ 37407
TOTAL PLANT AND SOIL SCIENCES			1 GRANT(S)	$ 29440	$ 37407

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
COLLEGE OF FOOD AND NATURAL RESOURCES					
VETERINARY AND ANIMAL SCIENCE					
BLACK D L	720563	POPULATION COUNCIL	09-01-72	$ 8895	$ 9406
BLACK D L	720588	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	07-01-72	$ 20800	$ 21804
TOTAL VETERINARY AND ANIMAL SCIENCE			2 GRANT(S)	$ 29195	$ 31210
TOTAL COLLEGE OF FOOD AND NATURAL RESOURCES			17 GRANT(S)	$ 133135	$ 158692

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF HUMANITIES AND FINE ARTS					
PHILOSOPHY					
CHAPPELL V C	730005	NATIONAL ENDOWMENT FOR THE HUMANITIES	09-01-72	$ 31280	$ 34000
CHAPPELL V C	730586	ROCKEFELLER FOUNDATION	05-01-73	$ 56000	$ 56000
TOTAL PHILOSOPHY			2 GRANT(S)	$ 87280	$ 90000
TOTAL FACULTY OF HUMANITIES AND FINE ARTS			2 GRANT(S)	$ 87280	$ 90000

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES					
ANTHROPOLOGY					
ARMELAGOS G J	730780	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	05-14-73	$ 2000	$ 2000
ARMELAGOS G J	730781	GEORGE C MARSHALL MEMORIAL FUND	04-06-73	$ 2000	$ 2000
FAULKINGHAM R H	730400	NATIONAL INSTITUTE OF MENTAL HEALTH	12-13-72	$ 5900	$ 5900
NADER L	730801	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	08-08-73	$ 1800	$ 1800
TOTAL ANTHROPOLOGY			4 GRANT(S)	$ 11700	$ 11700
ECONOMICS					
MIRMAN L J	730084	NATIONAL SCIENCE FOUNDATION	02-15-73	$ 20981	$ 41300
TOTAL ECONOMICS			1 GRANT(S)	$ 20981	$ 41300
POLITICAL SCIENCE					
WIARDA I S	720091	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	07-01-72	$ 18800	$ 24118
TOTAL POLITICAL SCIENCE			1 GRANT(S)	$ 18800	$ 24118
PSYCHOLOGY					
BALAGURA S	720212	NATIONAL INSTITUTE OF MENTAL HEALTH	07-01-72	$ 37857	$ 40775

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES					
PSYCHOLOGY					
BOGARTZ R S	730078	GRANT FOUNDATION	08-01-73	$ 209500	$ 225000
FEINBERG H	720574	NATIONAL INSTITUTE OF MENTAL HEALTH	08-01-73	$ 20000	$ 28533
JARMON H	730629	DEPARTMENT OF PUBLIC WELFARE	05-01-73	$ 4878	$ 4878
TOTAL PSYCHOLOGY			4 GRANT(S)	$ 272235	$ 298886
SOCIOLOGY					
CHEVAN A C	730598	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	08-13-73	$ 6000	$ 6000
DRIVER E D	720625	FORD FOUNDATION	07-01-72	$ 5000	$ 5000
TOTAL SOCIOLOGY			2 GRANT(S)	$ 11000	$ 11000
TOTAL FACULTY OF SOCIAL AND BEHAVIORAL SCIENCES			12 GRANT(S)	$ 342916	$ 387004

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
BIOCHEMISTRY					
FOURNIER M J	730401	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	10-25-72	$ 7500	$ 7500
GABLER F R	720268	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	06-01-73	$ 25042	$ 31033
TOTAL BIOCHEMISTRY			2 GRANT(S)	$ 32542	$ 38533
BOTANY					
BARRETT P E	730755	NATIONAL PARK SERVICE	06-20-73	$ 4029	$ 4029
TOTAL BOTANY			1 GRANT(S)	$ 4029	$ 4029
CHEMISTRY					
BRANDTS J F	730024	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	09-01-72	$ 8000	$ 8000
CURRAN D J	720474	CONTROL DATA CORPORATION	02-10-73	$ 3620	$ 5000
ZAJICEK O T	730770	AMERICAN CHEMICAL SOCIETY	06-25-73	$ 500	$ 500
TOTAL CHEMISTRY			3 GRANT(S)	$ 12120	$ 13500
GEOLOGY AND GEOGRAPHY					
HARTSHORN J H	730652	SIGMA XI	06-01-73	$ 250	$ 250
TOTAL GEOLOGY AND GEOGRAPHY			1 GRANT(S)	$ 250	$ 250

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
MATHEMATICS AND STATISTICS					
GEMAN D	730180	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 8437	$ 11800
MANES E	720519	NATIONAL SCIENCE FOUNDATION	09-01-72	$ 50578	$ 70500
SU J C	730127	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 13986	$ 20000
TOTAL MATHEMATICS AND STATISTICS			3 GRANT(S)	$ 73001	$ 102300
MICROBIOLOGY					
CONRAD J	730115	AMHERST COLLEGE	09-05-72	$ 3667	$ 3667
MORTLOCK R P	730099	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	07-04-72	$ 7742	$ 7742
MORTLOCK R P	730114	NATIONAL CANCER INSTITUTE	06-01-73	$ 14663	$ 19340
PARSONS P P	730785	DAMON RUNYON MEMORIAL FUND FOR CANCER RESEARCH INC	02-01-73	$ 8848	$ 8848
TOTAL MICROBIOLOGY			4 GRANT(S)	$ 34920	$ 39597
PHYSICS AND ASTRONOMY					
FREYTAG D	730016	NATIONAL SCIENCE FOUNDATION	01-01-73	$ 87362	$ 105000
GUYER R A	720367	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 56374	$ 79800
TAYLOR J H	720450	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	09-01-72	$ 42756	$ 50000
TAYLOR J H	730116	NATIONAL SCIENCE FOUNDATION	01-15-73	$ 105864	$ 132500
VANBLERKOM D J	720498	NATIONAL SCIENCE FOUNDATION	12-15-72	$ 13539	$ 18000
TOTAL PHYSICS AND ASTRONOMY			5 GRANT(S)	$ 305895	$ 386200

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
FACULTY OF NATURAL SCIENCES AND MATHEMATICS					
ZOOLOGY					
FAIRBAIRN D	730124	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	09-01-72	$ 1000	$ 1000
ROBERTS L S	720633	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	09-01-72	$ 8500	$ 8500
ROBERTS L S	730438	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	02-02-73	$ 7500	$ 7500
TOTAL ZOOLOGY			3 GRANT(S)	$ 17800	$ 17000
TOTAL FACULTY OF NATURAL SCIENCES AND MATHEMATICS			22 GRANT(S)	$ 479757	$ 601409

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF EDUCATION					
SCHOOL OF EDUCATION					
ABRAHAM C C	720629	SPRINGFIELD PUBLIC SCHOOLS	07-01-72	$ 49620	$ 53020
ABRAHAM C C	720630	WORCESTER PUBLIC SCHOOLS	07-03-72	$ 77280	$ 84000
ABRAHAM C C	720632	SPRINGFIELD PUBLIC SCHOOLS	07-01-72	$ 17500	$ 19000
BARRIGA P	730076	AGENCY FOR INTERNATIONAL DEVELOPMENT	01-01-73	$ 19604	$ 24382
CHRISTENSEN P	720586	CARNEGIE CORPORATION OF NEW YORK	09-01-72	$ 34800	$ 34800
EACHUS H T	720528	OFFICE OF EDUCATION	09-01-72	$ 310816	$ 302497
EACHUS H T	730654	BUREAU OF EDUCATION AND TRAINING OF THE HANDICAPPED	08-01-73	$ 121206	$ 126532
HRUSKA J L	720337	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 55527	$ 55527
HRUSKA J L	730426	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 8200	$ 8500
HRUSKA J L	730427	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 11800	$ 11800
JONES B L	730023	NEW YORK CITY BOARD OF EDUCATION	07-01-72	$ 339365	$ 368820
MCCOLLUM R D	730028	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 116800	$ 116800
MELNIK M	730006	W K KELLOGG FOUNDATION	09-01-72	$ 156000	$ 156000
PIERCE R	730147	NATIONAL SCIENCE FOUNDATION	08-25-73	$ 20360	$ 22443
STREETS D T	730175	NEW ENGLAND PROGRAMS IN TEACHER EDUCATION	01-01-73	$ 46667	$ 50000
TARDANICO P	730778	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	07-01-72	$ 1500	$ 1500
TUTMAN W	730002	OFFICE OF EDUCATION	07-05-72	$ 238164	$ 247592
TOTAL SCHOOL OF EDUCATION			17 GRANT(S)	$ 1625209	$ 1683713
TOTAL SCHOOL OF EDUCATION			17 GRANT(S)	$ 1625209	$ 1683713

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF ENGINEERING					
OFFICE OF THE DEAN(ENGINEERING)					
PICHA K G	720284	OFFICE OF NAVAL RESEARCH	09-01-72	$ 67352	$ 80397
SKRABLE K W	720306	ATOMIC ENERGY COMMISSION	07-01-72	$ 3100	$ 5815
TOTAL OFFICE OF THE DEAN(ENGINEERING)			2 GRANT(S)	$ 64452	$ 86212
CHEMICAL ENGINEERING					
LAURENCE R L	720426	NATIONAL SCIENCE FOUNDATION	07-01-72	$ 74940	$ 99700
WISE D L	730466	DYNATECH CORPORATION	06-28-73	$ 49463	$ 68764
TOTAL CHEMICAL ENGINEERING			2 GRANT(S)	$ 124403	$ 167264
CIVIL ENGINEERING					
ADRIAN A D	720531	ENVIRONMENTAL PROTECTION AGENCY	09-01-72	$ 6100	$ 6700
COLONELL J M	730007	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 4980	$ 8000
FENG T H	720177	BUREAU OF HEALTH MANPOWER EDUCATION	07-01-72	$ 24173	$ 24773
FENG T H	720411	ENVIRONMENTAL PROTECTION AGENCY	07-01-72	$ 56900	$ 53702
STEUCEK G L	720611	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 3436	$ 5000
STOKOE K H	730564	CHICOPEE BORING AND TESTING LABORATORIES	06-01-73	$ 8100	$ 8700
TOTAL CIVIL ENGINEERING			6 GRANT(S)	$ 103089	$ 105075

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF ENGINEERING					
INDUSTRIAL ENGINEERING AND OPERATIONS					
GIGLIO R J	730289	NATIONAL CENTER FOR HEALTH SERVICES RESEARCH AND DEVELOPMENT	06-30-73	$ 64400	$ 101905
SADOWSKI R P	730327	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 37500	$ 54400
TOTAL INDUSTRIAL ENGINEERING AND OPERATIONS			2 GRANT(S)	$ 101900	$ 156305
ELECTRICAL AND COMPUTER ENGINEERING					
CARON P R	730491	NATIONAL SCIENCE FOUNDATION	04-01-73	$ 3580	$ 5000
MONOPOLI R V	730435	NATIONAL ACADEMY OF SCIENCES	09-01-72	$ 3000	$ 3000
VANATTA L C	730220	NATIONAL SCIENCE FOUNDATION	06-01-73	$ 13000	$ 13000
TOTAL ELECTRICAL AND COMPUTER ENGINEERING			3 GRANT(S)	$ 19580	$ 21000
MECHANICAL AND AEROSPACE ENGINEERING					
NELSON C	730775	EASTMAN KODAK COMPANY	06-28-73	$ 6000	$ 6000
TARTAGLIA P F	720529	NORTON COMPANY	07-01-72	$ 4750	$ 4750
TOTAL MECHANICAL AND AEROSPACE ENGINEERING			2 GRANT(S)	$ 10750	$ 10750
TOTAL SCHOOL OF ENGINEERING			17 GRANT(S)	$ 424774	$ 546606

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
GRADUATE SCHOOL					
OFFICES OF THE DEANS(GRADUATE SCHOOL)					
CAMERINO P W	730760	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 6600	$ 6600
STANEY R E	720443	NATIONAL SCIENCE FOUNDATION	09-30-72	$ 59307	$ 59307
STANEY R E	730603	OFFICE OF EDUCATION	09-01-72	$ 196100	$ 196100
TOTAL OFFICES OF THE DEANS(GRADUATE SCHOOL)			3 GRANT(S)	$ 262007	$ 262007
MARINE STATION					
GILFILLIAN E S	730156	US COAST GUARD	07-01-72	$ 2350	$ 2350
WRIGHT R T	730293	NATIONAL SCIENCE FOUNDATION	05-15-73	$ 21980	$ 29600
TOTAL MARINE STATION			2 GRANT(S)	$ 24330	$ 32150
POLYMER RESEARCH INSTITUTE					
PENWELL R C	720220	PETROLEUM RESEARCH FUND	09-01-72	$ 9500	$ 10000
PORTER R S	720439	NATIONAL SCIENCE FOUNDATION	06-15-73	$ 190072	$ 225000
TOTAL POLYMER RESEARCH INSTITUTE			2 GRANT(S)	$ 199572	$ 235000

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
GRADUATE SCHOOL WATER RESOURCES RESEARCH CENTER					
BENTLEY W R	720165	OFFICE OF WATER RESOURCES RESEARCH	07-01-72	$ 42000	$ 42000
BERGER B B	720269	OFFICE OF WATER RESOURCES RESEARCH	02-01-73	$ 56277	$ 80784
VERTREES R L	720179	OFFICE OF WATER RESOURCES RESEARCH	07-01-72	$ 57800	$ 57000
TOTAL WATER RESOURCES RESEARCH CENTER			3 GRANT(S)	$ 155277	$ 179784
TOTAL GRADUATE SCHOOL			10 GRANT(S)	$ 641186	$ 708941

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
SCHOOL OF NURSING					
SCHOOL OF NURSING					
GETCHEL N I	720446	BUREAU OF HEALTH MANPOWER EDUCATION	07-01-72	$ 6156	$ 6156
GETCHEL N I	730769	NATIONAL FUND FOR GRADUATE NURSING EDUCATION	05-01-73	$ 1800	$ 1800
WINDER A E	720206	NATIONAL INSTITUTE OF MENTAL HEALTH	07-01-72	$ 52851	$ 55073
TOTAL SCHOOL OF NURSING			3 GRANT(S)	$ 60807	$ 63929
TOTAL SCHOOL OF NURSING			3 GRANT(S)	$ 60807	$ 63929

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
DEPARTMENT OF PUBLIC HEALTH					
DEPARTMENT OF PUBLIC HEALTH					
DARITY W A	730679	FORD-ROCKEFELLER FOUNDATION PROGRAM	06-01-73	$ 24823	$ 24823
GAGE R W	720175	BUREAU OF HEALTH MANPOWER EDUCATION	09-01-72	$ 13650	$ 13650
GROSS A	720174	BUREAU OF HEALTH MANPOWER EDUCATION	09-01-72	$ 34287	$ 34587
TOTAL DEPARTMENT OF PUBLIC HEALTH			3 GRANT(S)	$ 72760	$ 72760
TOTAL DEPARTMENT OF PUBLIC HEALTH			3 GRANT(S)	$ 72760	$ 72760

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - AMHERST CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
CONTINUING EDUCATION					
CONTINUING EDUCATION					
SACKREY P	730367	BOARD OF HIGHER EDUCATION	06-01-73	$ 30551	$ 31556
TOTAL CONTINUING EDUCATION			1 GRANT(S)	$ 30551	$ 31556
TOTAL CONTINUING EDUCATION			1 GRANT(S)	$ 30551	$ 31556

TOTAL NUMBER OF AWARDS WITH CO-INVESTIGATOR NAMED AMHERST CAMPUS FY 73 109 $ 4035883 $ 4401288

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - BOSTON CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
OFFICE OF THE CHANCELLOR					
BRODERICK F L	730437	FORD FOUNDATION	09-01-72	$ 38000	$ 303230
TOTAL OFFICE OF THE CHANCELLOR			1 GRANT(S)	$ 38000	$ 303230
TOTAL ADMINISTRATIVE OFFICES			1 GRANT(S)	$ 38000	$ 303230
TOTAL NUMBER OF AWARDS WITH CO-INVESTIGATOR NAMED BOSTON CAMPUS FY 73		1		$ 38000	$ 303230

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - WORCESTER CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
INSTRUCTION					
ANATOMY					
SCHNEIDER G B	730291	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 29976	$ 38000
TOTAL ANATOMY			1 GRANT(S)	$ 29976	$ 38000
BIOCHEMISTRY					
BUTCHER R W	730184	NATIONAL SCIENCE FOUNDATION	05-01-73	$ 36236	$ 43000
HITTELMAN K J	730087	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES	11-01-72	$ 48722	$ 62861
TOTAL BIOCHEMISTRY			2 GRANT(S)	$ 84958	$ 105861
MICROBIOLOGY					
LEIGHTON T S	730398	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES	08-11-72	$ 1000	$ 1000
TOTAL MICROBIOLOGY			1 GRANT(S)	$ 1000	$ 1000
TOTAL NUMBER OF AWARDS WITH CO-INVESTIGATOR NAMED WORCESTER CAMPUS FY 73		4		$ 115934	$ 144861

CURRENT AWARDS BY SECOND ACADEMIC UNIT FY 73 - ALL CAMPUS

CO-PRINCIPAL INVESTIGATOR	OCR NO	AGENCY	AWARD BEGIN	AWARDED DIRECT	TOTAL AWARD
ADMINISTRATIVE OFFICES					
INSTITUTE FOR GOVERNMENTAL SERVICES					
EVE A W	730787	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	08-26-72	$ 59544	$ 68736
LLAMAS F	730359	DEPARTMENT OF EDUCATION	02-01-73	$ 5000	$ 5000
TOTAL INSTITUTE FOR GOVERNMENTAL SERVICES			2 GRANT(S)	$ 64544	$ 73136
TOTAL ADMINISTRATIVE OFFICES			2 GRANT(S)	$ 64544	$ 73136
TOTAL NUMBER OF AWARDS WITH CO-INVESTIGATOR NAMED ALL CAMPUS FY 73	2			$ 64544	$ 73136 $

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH TWO DEPARTMENTS NAMED-FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPARTMENT ONE	DEPARTMENT TWO	OCR NO
ADERHOLD JAMES L JR	CHEMICAL ENGINEERING	OFFICES OF THE DEANS(GRADUATE SCHOOL)	730760
ARBIB MICHAEL A	COMPUTER AND INFORMATION SCIENCE	MATHEMATICS AND STATISTICS	720519
FAROS JULIUS GY	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	WATER RESOURCES RESEARCH CENTER	720165
FOSTER JOHN H	AGRICULTURE AND FOOD ECONOMICS	WATER RESOURCES RESEARCH CENTER	720179
GIBSON WALKER	ENGLISH	VICE CHANCELLOR FOR ACADADEMIC AFFAIRS AND PROVO	730283
GODFREY PAUL J	BOTANY	INSTITUTE FOR MAN AND HIS ENVIRONMENT	730630
HULTIN HERBERT O	FOOD SCIENCE AND TECHNOLOGY	CHEMICAL ENGINEERING	720426
KARASZ FRANK E	POLYMER SCIENCE AND ENGINEERING	POLYMER RESEARCH INSTITUTE	720439
MOUNT MARK S	PLANT PATHOLOGY	MICROBIOLOGY	730114
SEGOOL HOWARD D	COMMONWEALTH INDUSTRIAL TECHNOLOGY	INDUSTRIAL ENGINEERING AND OPERATIONS	730327
SHANLEY ROBERT A	POLITICAL SCIENCE	WATER RESOURCES RESEARCH CENTER	720184
SHORT W LEIGH	CHEMICAL ENGINEERING	INSTITUTE FOR MAN AND HIS ENVIRONMENT	730552
SNEDECOR JAMES G	ZOOLOGY	VETERINARY AND ANIMAL SCIENCE	720588
STUMBO CHARLES R	FOOD SCIENCE AND TECHNOLOGY	FOOD AND AGRICULTURAL ENGINEERING	730301
SUTTON GORDON F	SOCIOLOGY	INSTITUTE FOR MAN AND HIS ENVIRONMENT	720571
TREHUB ARNOLD	PSYCHOLOGY	CHEMISTRY	720474
TURNER CASTELLANO R	PSYCHOLOGY	DEPARTMENT OF PUBLIC HEALTH	730679
WELLMAN ROBERT R	SCHOOL OF EDUCATION	PHILOSOPHY	730005
WELLMAN ROBERT R	SCHOOL OF EDUCATION	PHILOSOPHY	730586
WILKIE RICHARD W	GEOLOGY AND GEOGRAPHY	INSTITUTE FOR MAN AND HIS ENVIRONMENT	720549

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CURRENT AWARDS BY AGENCY FY 74 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
DEPARTMENT OF HEALTH EDUCATION AND WELFARE-GENERAL					
MCCOY RHODY A	730727	SCHOOL OF EDUCATION	SP-3001-25	$ 92592	$ 100000
	TOTAL-DEPARTMENT OF HEALTH EDUCATION AND WELFARE-GENERAL		1 GRANT(S)	$ 92592	$ 100000
FOOD AND DRUG ADMINISTRATION					
LEVIN ROBERT E	720058	FOOD SCIENCE AND TECHNOLOGY	2 R01 FD 00153-07	$ 10800	$ 14664
STUMBO CHARLES R	730301	FOOD SCIENCE AND TECHNOLOGY	FDA 73-198	$ 28100	$ 41750
BARKER ALLEN V	720049	PLANT AND SOIL SCIENCES	2 R01 FD 00282-03	$ 29440	$ 37407
	TOTAL-FOOD AND DRUG ADMINISTRATION		3 GRANT(S)	$ 68340	$ 93821
NATIONAL CENTER FOR HEALTH SERVICES RESEARCH AND DEVELOPMENT					
RISING EDWARD J	730289	INDUSTRIAL ENGINEERING AND OPERATIONS	2 R01 HS 00709-03	$ 64400	$ 101905
	TOTAL-NATIONAL CENTER FOR HEALTH SERVICES RESEARCH + DEVELOPMENT		1 GRANT(S)	$ 64400	$ 101905

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED	DIRECT	TOTAL
FEDERAL AGENCIES						
NATIONAL INSTITUTE OF MENTAL HEALTH						
HOURIHAN JOHN J	730400	ANTHROPOLOGY	3 F01 MH54506-01S1	$	5900	$ 5900
CLIFTON CHARLES F JR	720212	PSYCHOLOGY	5 T01 MH11823-04	$	37857	$ 40775
CLIFTON CHARLES F JR	720297	PSYCHOLOGY	1 R01 MH23939-01	$	18226	$ 54652
EPSTEIN SEYMOUR	720046	PSYCHOLOGY	5 R01 MH01293-17	$	41000	$ 65419
GOLANN STUART E	730134	PSYCHOLOGY	1 R13 MH24290-01	$	14050	$ 15702
RAUSH HAROLD L	720243	PSYCHOLOGY	5 T01 MH06244-18	$	95970	$ 102962
STAUB ERVIN	720574	PSYCHOLOGY	1 R01 MH23886-01	$	20000	$ 58233
STEINER IVAN D	720505	PSYCHOLOGY	5 R01 MH20169-02	$	17488	$ 52846
WILLOUGHBY ROBERT H	720314	PSYCHOLOGY	1 R01 MH22720-01	$	13300	$ 18671
SALENIUS HILDEGARD M	720206	SCHOOL OF NURSING	5 T01 MH12537-02	$	52051	$ 65973
WINDER ALVIN E	720208	SCHOOL OF NURSING	5 T02 MH06400-17	$	24673	$ 54348
TOTAL-NATIONAL INSTITUTE OF MENTAL HEALTH			11 GRANT(S)	$	340515	$ 395481
TOTAL-HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION			12 GRANT(S)	$	404915	$ 497386
NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES						
STOFFOLANO JOHN G	720321	ENTOMOLOGY	1 R01 HD07033-01	$	28066	$ 33402
MOUNT MARK S	730114	PLANT PATHOLOGY	1 R01 CA14674-01	$	14663	$ 19340

CURRENT AWARDS BY AGENCY FY 75 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES					
BLACK DONALD L	730516	VETERINARY AND ANIMAL SCIENCE	5 R01 HD6788-02	$ 18045	$ 53154
SEVOIAN MARTIN	730407	VETERINARY AND ANIMAL SCIENCE	5 R01 CA13272-02	$ 29900	$ 40048
WORKMAN PETER L	720103	ANTHROPOLOGY	3 K04 HD23551-01A1S1	$ 23349	$ 53349
WIARDA HOWARD J	720091	POLITICAL SCIENCE	1 R01 HD06604-01	$ 18000	$ 54118
BEAN JOAN P	720316	PSYCHOLOGY	1 R01 HD06457-01A1	$ 15101	$ 50817
CARLSON NEIL R	730494	PSYCHOLOGY	5 R01 HD05432-02	$ 14159	$ 19871
CLIFTON RACHEL K	730368	PSYCHOLOGY	5 R01 HD06753-02	$ 22365	$ 32069
WADE GEORGE N	720537	PSYCHOLOGY	1 R01 NS10873-01	$ 34238	$ 39377
FOURNIER MAURILLE J JR	730525	BIOCHEMISTRY	5 R01 GM19351-02	$ 24814	$ 33480
GANIENOWSKI ANTHONY M	730406	BIOCHEMISTRY	5 R01 HD05724-03	$ 29138	$ 40649
TANG SHIRLEY S	730401	BIOCHEMISTRY	1 F02 GM55618-01	$ 7500	$ 7500
WESTHEAD EDWARD W	720268	BIOCHEMISTRY	2 R01 GM14945-07	$ 25042	$ 31033
WESTHEAD EDWARD W	730340	BIOCHEMISTRY	5 R01 AM11157-07	$ 27976	$ 38312
BRANDTS JOHN F	730375	CHEMISTRY	5 R01 GM11071-11	$ 37456	$ 50814
CHIEN JAMES C W	730123	CHEMISTRY	5 R01 HL14270-02	$ 29167	$ 41200
CHIEN JAMES C W	730604	CHEMISTRY	5 R01 AM14779-08	$ 13400	$ 18192
HALVORSON HERBERT R	730024	CHEMISTRY	5 F02 GM51599-02	$ 8000	$ 8000
WILKIE RICHARD W	720549	GEOLOGY AND GEOGRAPHY	1 R01 HD07397-01	$ 40124	$ 56511
CANALE-PAROLA ERCOLE	730157	MICROBIOLOGY	5 R01 AI08248-06	$ 24316	$ 33646

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES					
COX CHARLES D	720093	MICROBIOLOGY	5 T01 GM02168-02	$ 47112	$ 50852
COX CHARLES D	720285	MICROBIOLOGY	1 R01 AI10982-01	$ 41900	$ 56060
LESSIE THOMAS G	730634	MICROBIOLOGY	5 R01 AM12163-08	$ 16870	$ 34579
MORTLOCK ROBERT P	720501	MICROBIOLOGY	2 R01 AI06848-08	$ 28800	$ 36777
NORKIN LEONARD C	730229	MICROBIOLOGY	5 R01 CA12948-02	$ 27035	$ 33914
REINER ALBEY M	730371	MICROBIOLOGY	5 R01 ES00804-02	$ 16590	$ 21971
ROSENBERG STEVEN L	730099	MICROBIOLOGY	5 F02 GM46669-03	$ 7742	$ 7742
CARTER CLINT E	730124	ZOOLOGY	5 F02 AI50928-02	$ 1000	$ 1000
FAIRBAIRN DONALD	720265	ZOOLOGY	5 T01 AI00226-14	$ 51000	$ 55080
FAIRBAIRN DONALD	730033	ZOOLOGY	5 R01 AI08491-05	$ 45890	$ 60145
HITCHO PAUL J	720633	ZOOLOGY	1 F02 AI52353-01	$ 8500	$ 8500
HONIGBERG BRONISLAW M	730520	ZOOLOGY	5 R01 AI00742-19	$ 43269	$ 59743
LEVIN BRUCE R	720308	ZOOLOGY	1 R01 GM19848-01	$ 29786	$ 36548
RAUCH HAROLD	730410	ZOOLOGY	5 R01 NS08119-15	$ 34650	$ 48196
ROBERTS LARRY S	730358	ZOOLOGY	5 R01 AI06153-16	$ 26965	$ 35984
RODRICK GARY E	730100	ZOOLOGY	5 F02 AI50619-02	$ 1000	$ 1000
SNEDECOR JAMES G	720588	ZOOLOGY	3 T01 HD00204-05S1	$ 20300	$ 21604
STARLING JANE A	730438	ZOOLOGY	1 F02 AI55278-01	$ 7500	$ 7500
WYSE GORDON A	730351	ZOOLOGY	3 R01 NS08869-08S2	$ 7818	$ 12360

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CURRENT AWARDS BY AGENCY FY 75 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES					
THOMAS IAN B	730414	ELECTRICAL AND COMPUTER ENGINEERING	5 R01 NS08306-05	$ 32975	$ 46746
CAMERINO PAT W	730384	OFFICES OF THE DEANS(GRADUATE SCHOOL)	5 S05 RR07048-08	$ 24014	$ 24014
ARBIB MICHAEL A	730389	COMPUTER AND INFORMATION SCIENCE	5 R01 NS09755-04	$ 62710	$ 81845
PRICE FRASER P	730049	POLYMER RESEARCH INSTITUTE	5 R01 HL13188-04	$ 15600	$ 22208
STEIN RICHARD S	730260	POLYMER RESEARCH INSTITUTE	5 R01 HL12527-05	$ 15000	$ 20947
		TOTAL-NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES	45 GRANT(S)	$ 1098845	$ 1410197
BUREAU OF HEALTH MANPOWER EDUCATION					
ADRIAN DONALD D	720177	CIVIL ENGINEERING	5 A10 AH00655-05	$ 24173	$ 24173
EARLES VIRGINIA L	720332	SCHOOL OF NURSING	5 A11 NU00131-04	$ 43386	$ 43386
GOODMAN LILLIAN R	720446	SCHOOL OF NURSING	1 E04 NU00592-01	$ 6156	$ 6156
GOODMAN LILLIAN R	720447	SCHOOL OF NURSING	1 E04 NU00591-01	$ 88441	$ 88441
PETRUNENKO CONSTANCE	730182	SCHOOL OF NURSING	5 D10 NU00367-05	$ 25467	$ 27121
DARITY WILLIAM A	720174	DEPARTMENT OF PUBLIC HEALTH	5 A04 AH00057-02	$ 34287	$ 34287
MOUSTAFA A TAHER	720175	DEPARTMENT OF PUBLIC HEALTH	1 A04 AH00172-01	$ 13650	$ 13650
PETERS HOWARD A	720176	DEPARTMENT OF PUBLIC HEALTH	1 A04 AH00167-01	$ 14120	$ 14120
REED GEORGE	730117	DEPARTMENT OF PUBLIC HEALTH	1-A06 AH01016-01	$ 9223	$ 9223
		TOTAL-BUREAU OF HEALTH MANPOWER EDUCATION	9 GRANT(S)	$ 258903	$ 260557

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED	DIRECT	TOTAL
FEDERAL AGENCIES						
NATIONAL LIBRARY OF MEDICINE						
GREENBAUM LOUIS S	730483	HISTORY	5 R01 LM01658-02		$ 6797	$ 9877
	TOTAL-NATIONAL LIBRARY OF MEDICINE			1 GRANT(S)	$ 6797	$ 9877
	TOTAL-NATIONAL INSTITUTES OF HEALTH			55 GRANT(S)	$ 1364545	$ 1680631
	TOTAL-PUBLIC HEALTH SERVICE			70 GRANT(S)	$ 1837800	$ 2271838
NATIONAL INSTITUTE OF EDUCATION						
AVERILL JAMES R	730387	PSYCHOLOGY	NE-G-00-3-0139		$ 29530	$ 39348
FORMAN GEORGE E	730408	HUMAN DEVELOPMENT	NE-G-00-3-0051		$ 7582	$ 9833
	TOTAL-NATIONAL INSTITUTE OF EDUCATION			2 GRANT(S)	$ 37112	$ 49181
OFFICE OF EDUCATION						
MARTIN JAMES	730758	BUDGET OFFICE			$ 92880	$ 92880
OYEWOLE GORDON G	730162	RADIO STATION-WFCR-FM	OEG-0-73-03616-543		$ 14490	$ 14490
BROWN DONALD	720354	PROVOSTS OFFICE	OEG-1-72-8024		$ 138000	$ 138000
BROWN DONALD	730523	PROVOSTS OFFICE	OEG-1-73-8048		$ 120000	$ 150000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
OFFICE OF EDUCATION					
MCCOY RHODY A	730524	PROVOST'S OFFICE	OEG-1-73-0007	$ 46296	$ 50000
LAFRANCE RONALD C	730660	UNIVERSITY HEALTH SERVICES	OEG-0-71-1825	$ 59136	$ 62000
FELLER SIEGFRIED	730467	LIBRARY	OEG-0-73-4094	$ 5000	$ 5000
SCHIMMEL DAVID M	720383	SCHOOL OF EDUCATION	OEG-0-72-4824	$ 27750	$ 30000
SCHIMMEL DAVID M	730002	SCHOOL OF EDUCATION	OEG-0-71-0548-715	$ 238164	$ 247592
WYMAN RAYMOND	720528	SCHOOL OF EDUCATION	OEG-0-73-0534-615	$ 310816	$ 302497
PIEDMONT EUGENE B	730603	OFFICES OF THE DEANS(GRADUATE SCHOOL)	OEG-0-70-2583	$ 196100	$ 196100
		TOTAL-OFFICE OF EDUCATION	11 GRANT(S)	$ 1248632	$ 1258559
BUREAU OF EDUCATION AND TRAINING OF THE HANDICAPPED					
WYMAN RAYMOND	730654	SCHOOL OF EDUCATION	OEG-0-73-0534-A	$ 121206	$ 126232
		TOTAL-BUREAU OF EDUCATION AND TRAINING OF THE HANDICAPPED	1 GRANT(S)	$ 121206	$ 126232
		TOTAL-OFFICE OF EDUCATION	12 GRANT(S)	$ 1369838	$ 1384791
		TOTAL-DIVISION OF EDUCATION	14 GRANT(S)	$ 1406950	$ 1433972
SOCIAL AND REHABILITATION SERVICE					
NOBER E HARRIS	720430	SPEECH	44-P-05047-1-09	$ 25806	$ 26406
		TOTAL-SOCIAL AND REHABILITATION SERVICE	1 GRANT(S)	$ 25806	$ 26406

CURRENT AWARDS BY AGENCY FY 74 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
SOCIAL SECURITY ADMINISTRATION					
HOWARDS IRVING	720606	POLITICAL SCIENCE	SSA-71-3380	$ 35485	$ 39625
KORSON J HENRY	720379	SOCIOLOGY	10-F-57331-1-01	$ 21592	$ 34067
	TOTAL-SOCIAL SECURITY ADMINISTRATION		2 GRANT(S)	$ 57077	$ 73692
	TOTAL-DEPARTMENT OF HEALTH EDUCATION AND WELFARE		88 GRANT(S)	$ 3420225	$ 3965908
DEPARTMENT OF DEFENSE-GENERAL					
STRONG JOHN D	730072	PHYSICS AND ASTRONOMY	DNA001-73-C-0148	$ 51249	$ 66913
	TOTAL-DEPARTMENT OF DEFENSE-GENERAL		1 GRANT(S)	$ 51249	$ 66913
DEPARTMENT OF THE ARMY-GENERAL					
PERKINS HAROLD W	730030	OFFICE OF THE DEAN(AGRICULTURE)	DAHC20-73-C-0088	$ 72560	$ 79739
NAWAR WASSEF W	730102	FOOD SCIENCE AND TECHNOLOGY	DAAG17-73-G-0005	$ 28000	$ 58000
MACCONNELL WILLIAM P	730503	FORESTRY AND WILDLIFE MANAGEMENT		$ 3905	$ 3905
RICE WILLIAM M	730501	FEED SEED AND FERTILIZER SERVICES		$ 2500	$ 2500
GAWIENOWSKI ANTHONY M	730557	BIOCHEMISTRY	DAAG17-72-C-0025	$ 8775	$ 10002

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
DEPARTMENT OF THE ARMY-GENERAL					
BEMBEN STANLEY M	730565	CIVIL ENGINEERING	DACW33-73-M-1098	$ 1590	$ 1915
PORTER ROGER S	730315	POLYMER RESEARCH INSTITUTE	DAAG46-72-0076	$ 25000	$ 25000
VOGL OTTO	730052	POLYMER RESEARCH INSTITUTE	DAAG46-73-C-0179	$ 8150	$ 10982
TOTAL-DEPARTMENT OF THE ARMY-GENERAL			8 GRANT(S)	$ 150480	$ 162043
ARMY RESEARCH OFFICE-DURHAM					
RAUSCH MARVIN D	730011	CHEMISTRY	DA-ARO-D-31-124-73-C135	$ 5000	$ 5000
VOGL OTTO	720476	POLYMER RESEARCH INSTITUTE	DA-ARO-D-31-124-73-G60	$ 10300	$ 13704
TOTAL-ARMY RESEARCH OFFICE-DURHAM			2 GRANT(S)	$ 15300	$ 18704
TOTAL-DEPARTMENT OF THE ARMY			10 GRANT(S)	$ 165780	$ 180747
OFFICE OF NAVAL RESEARCH					
HAYES MILES O	730517	GEOLOGY AND GEOGRAPHY	N00014-67-A-0238-0001	$ 42050	$ 55231
PETERSON GERALD A	720311	PHYSICS AND ASTRONOMY	N00014-67-A-0238-0009	$ 56268	$ 70000
PETERSON GERALD A	730561	PHYSICS AND ASTRONOMY	N00014-67-A-0238-0009	$ 49835	$ 55000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
OFFICE OF NAVAL RESEARCH					
STRONG JOHN D	720428	PHYSICS AND ASTRONOMY	N00014-67-A-0230-0002	$ 33156	$ 40701
BALINTFY JOSEPH L	730092	GENERAL BUSINESS AND FINANCE	N00014-67-A-0230-0006	$ 22088	$ 30000
BALINTFY JOSEPH L	730570	GENERAL BUSINESS AND FINANCE	N00014-67-A-0230-0006	$ 29940	$ 35000
COLONELL JOSEPH M	720284	OFFICE OF THE DEAN(ENGINEERING)	N00014-68-A-0146	$ 61352	$ 80397
GREENE PETER H	730199	COMPUTER AND INFORMATION SCIENCE	N00014-67-A-0230-0010	$ 29465	$ 30000
RISEMAN EDWARD M	730149	COMPUTER AND INFORMATION SCIENCE	N00014-67-A-0230-0007	$ 15951	$ 22000
	TOTAL-OFFICE OF NAVAL RESEARCH		9 GRANT(S)	$ 340105	$ 478329
	TOTAL-DEPARTMENT OF THE NAVY		9 GRANT(S)	$ 340105	$ 478329
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH					
NASH WILLIAM A	720028	CIVIL ENGINEERING	AFOSR-72-2340	$ 12651	$ 17081
FRANKS LEWIS E	720410	ELECTRICAL AND COMPUTER ENGINEERING	AFOSR-71-2111	$ 20621	$ 28474
HUTCHINSON CHARLES E	720328	ELECTRICAL AND COMPUTER ENGINEERING	AFOSR-73-2443	$ 13629	$ 18615
MCINTOSH ROBERT E	730001	ELECTRICAL AND COMPUTER ENGINEERING	AFOSR-69-1722D	$ 20000	$ 20000
	TOTAL-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH		4 GRANT(S)	$ 66901	$ 84170
	TOTAL-DEPARTMENT OF THE AIR FORCE		4 GRANT(S)	$ 66901	$ 84170
	TOTAL-DEPARTMENT OF DEFENSE		24 GRANT(S)	$ 624035	$ 750159

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
AGENCY FOR INTERNATIONAL DEVELOPMENT					
EVANS DAVID R	730076	SCHOOL OF EDUCATION	AID-LA-699	$ 19604	$ 54382
EVANS DAVID R	730374	SCHOOL OF EDUCATION	AID-LA-699	$ 128821	$ 154030
	TOTAL-AGENCY FOR INTERNATIONAL DEVELOPMENT		2 GRANT(S)	$ 148425	$ 178412
	TOTAL-DEPARTMENT OF STATE		2 GRANT(S)	$ 148425	$ 178412
NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE					
TORRES-SOTO JULIO	730485	RADIO STATION-WFCR-FM		$ 10000	$ 10000
	TOTAL-NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE		1 GRANT(S)	$ 10000	$ 10000
	TOTAL-DEPARTMENT OF JUSTICE		1 GRANT(S)	$ 10000	$ 10000
DEPARTMENT OF THE INTERIOR-GENERAL					
DODGE WENDELL E	730088	FORESTRY AND WILDLIFE MANAGEMENT	14-16-0008-1089	$ 4600	$ 4600
REED ROGER J	730673	FORESTRY AND WILDLIFE MANAGEMENT	14-16-0005-4588	$ 23700	$ 53700
FABOS JULIUS GY	730434	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	14-10-5-950-81	$ 39300	$ 54000
GODFREY PAUL J	730630	BOTANY	CX-000-31710	$ 34900	$ 34900

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
DEPARTMENT OF THE INTERIOR-GENERAL					
GODFREY PAUL J	730755	BOTANY	CX-4000-3-0072	$ 4029	$ 4029
VANPEE MARCEL	720525	CHEMICAL ENGINEERING	G0111343	$ 2300	$ 2300
	TOTAL-DEPARTMENT OF THE INTERIOR-GENERAL		6 GRANT(S)	$ 108829	$ 153929
OFFICE OF WATER RESOURCES RESEARCH					
FOSTER JOHN H	720179	AGRICULTURE AND FOOD ECONOMICS	WRB-028	$ 57000	$ 57000
FABOS JULIUS GY	720165	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	14-31-0001-3897	$ 42000	$ 42000
SHANLEY ROBERT A	720184	POLITICAL SCIENCE	WRB-026	$ 14700	$ 14700
BERGER BERNARD B	720445	WATER RESOURCES RESEARCH CENTER	14-31-0001-3821	$ 100000	$ 100000
KAYNOR EDWARD R	720269	WATER RESOURCES RESEARCH CENTER	14-31-0001-9058-2	$ 56277	$ 80784
	TOTAL-OFFICE OF WATER RESOURCES RESEARCH		5 GRANT(S)	$ 269977	$ 294484
OFFICE OF SALINE WATER					
VOGL OTTO	720502	POLYMER RESEARCH INSTITUTE	14-30-3146	$ 37488	$ 50000
	TOTAL-OFFICE OF SALINE WATER		1 GRANT(S)	$ 37488	$ 50000
	TOTAL-DEPARTMENT OF THE INTERIOR		12 GRANT(S)	$ 416894	$ 468013

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CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
DEPARTMENT OF AGRICULTURE					
SPIELMAN ARLESS A	730807	OFFICE OF THE DEAN(EXPERIMENT STATION)		$ 656872	$ 656872
SPIELMAN ARLESS A	730808	OFFICE OF THE DEAN(EXPERIMENT STATION)		$ 60410	$ 60410
CHRISTENSEN ROBERT L	730738	AGRICULTURE AND FOOD ECONOMICS	12-17-04-8-790-%	$ 20000	$ 20000
NOYES JOHN H	730064	FORESTRY AND WILDLIFE MANAGEMENT	42-00-052	$ 9000	$ 9000
TOTAL-DEPARTMENT OF AGRICULTURE			4 GRANT(S)	$ 746282	$ 746282
FOREST SERVICE					
MACCONNELL WILLIAM P	730021	FORESTRY AND WILDLIFE MANAGEMENT	23-00-263	$ 600	$ 600
MACCONNELL WILLIAM P	730739	FORESTRY AND WILDLIFE MANAGEMENT	42-00-075	$ 12000	$ 12000
MAWSON JOSEPH C	730765	FORESTRY AND WILDLIFE MANAGEMENT	23-00-263	$ 5500	$ 5500
TOTAL-FOREST SERVICE			3 GRANT(S)	$ 18100	$ 18100
ECONOMIC RESEARCH SERVICE					
CHRISTENSEN ROBERT L	730764	AGRICULTURE AND FOOD ECONOMICS	12-17-04-8-790-%	$ 20000	$ 20000
TOTAL-ECONOMIC RESEARCH SERVICE			1 GRANT(S)	$ 20000	$ 20000
TOTAL-DEPARTMENT OF AGRICULTURE			8 GRANT(S)	$ 784382	$ 784382

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
DEPARTMENT OF COMMERCE-GENERAL					
JOHNSON LAWRENCE A	720145	OFFICE OF THE CHANCELLOR	DC ABLE-2-37251	$ 173100	$ 175000
	TOTAL-DEPARTMENT OF COMMERCE-GENERAL		1 GRANT(S)	$ 173100	$ 175000
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION					
STRONG JOHN D	730040	PHYSICS AND ASTRONOMY	DC NOAA-04-3-158-33	$ 8270	$ 10147
	TOTAL-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		1 GRANT(S)	$ 8270	$ 10147
NATIONAL BUREAU OF STANDARDS					
LEDGARD HENRY F	730562	COMPUTER AND INFORMATION SCIENCE		$ 4530	$ 6300
LEE JOHN A N	730468	COMPUTER AND INFORMATION SCIENCE	3-3596	$ 6354	$ 9624
	TOTAL-NATIONAL BUREAU OF STANDARDS		2 GRANT(S)	$ 10884	$ 15924
	TOTAL-DEPARTMENT OF COMMERCE		4 GRANT(S)	$ 192254	$ 201071
DEPARTMENT OF LABOR					
EHRENBERG RONALD G	730003	ECONOMICS	91-25-73-09	$ 14305	$ 18770

CURRENT AWARDS BY AGENCY FY 75 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
DEPARTMENT OF LABOR					
MCCOY RHODY A	730726	SCHOOL OF EDUCATION	SP-3001-25	$ 199907	$ 215900
	TOTAL-DEPARTMENT OF LABOR		2 GRANT(S)	$ 214212	$ 234670
US COAST GUARD					
YENTSCH CHARLES S	730156	MARINE STATION	DOT-OG-13992-A	$ 2350	$ 2350
	TOTAL-US COAST GUARD		1 GRANT(S)	$ 2350	$ 2350
	TOTAL-DEPARTMENT OF TRANSPORTATION		1 GRANT(S)	$ 2350	$ 2350
	TOTAL-OTHER FEDERAL EXECUTIVE DEPARTMENTS		30 GRANT(S)	$ 1767917	$ 1878898
FEDERAL INDEPENDENT AGENCIES-GENERAL					
HASHIMOTO KAZUHIKO	730435	ELECTRICAL AND COMPUTER ENGINEERING		$ 3000	$ 3000
SMITH RUTH A	730769	SCHOOL OF NURSING		$ 1800	$ 1800
	TOTAL-FEDERAL INDEPENDENT AGENCIES-GENERAL		2 GRANT(S)	$ 4800	$ 4800
ATOMIC ENERGY COMMISSION					
HOFFMAN ALLAN R	730455	PHYSICS AND ASTRONOMY	AT(11-1)-3331	$ 31860	$ 41045

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
ATOMIC ENERGY COMMISSION					
SHAFER JANICE B	730142	PHYSICS AND ASTRONOMY	AT(11-1)-3330	$ 117423	$ 149000
SNYDER DANA P	730314	ZOOLOGY	AT(11-1)-3329	$ 13346	$ 17500
MARCUS JOSEPH S	720306	OFFICE OF THE DEAN(ENGINEERING)	AT(11-1)-2261	$ 3100	$ 5815
YENTSCH CHARLES S	730090	MARINE STATION	AT(11-1)-3024	$ 25000	$ 37000
TOTAL-ATOMIC ENERGY COMMISSION			5 GRANT(S)	$ 190729	$ 250360
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION					
HAGGERTY STEPHEN E	730140	GEOLOGY AND GEOGRAPHY	NGL 22-010-089	$ 14740	$ 14740
HARTSHORN JOSEPH H	730155	GEOLOGY AND GEOGRAPHY	NAS 5-21871	$ 2000	$ 2000
MCGILL GEORGE E	730164	GEOLOGY AND GEOGRAPHY	NGR 22-010-076	$ 11300	$ 14980
HUGUENIN G RICHARD	720450	PHYSICS AND ASTRONOMY	NGR 22-010-039	$ 42756	$ 50000
IRVINE WILLIAM M	720401	PHYSICS AND ASTRONOMY	NGL 22-010-023	$ 29228	$ 39982
STRONG JOHN D	720534	PHYSICS AND ASTRONOMY	NGL 22-010-025	$ 27824	$ 35000
MONOPOLI RICHARD V	720573	ELECTRICAL AND COMPUTER ENGINEERING	NGL 22-010-018-7	$ 18325	$ 25000
CROSSLEY F R ERSKINE	720612	MECHANICAL AND AEROSPACE ENGINEERING	NAS 8-29073	$ 17463	$ 53610
YENTSCH CHARLES S	720558	MARINE STATION	NAS 5-21813	$ 15971	$ 16500
TOTAL-NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			9 GRANT(S)	$ 179607	$ 251812

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL SCIENCE FOUNDATION					
HULTIN HERBERT O	720426	FOOD SCIENCE AND TECHNOLOGY	GI-34976	$ 74940	$ 99100
KEYSER SAMUEL JAY	720594	LINGUISTICS	GS-35283	$ 29154	$ 42000
MUNN NANCY D	730193	ANTHROPOLOGY	GS-37891	$ 24784	$ 38900
KIHLSTROM RICHARD E	730084	ECONOMICS	GS-36898	$ 29981	$ 41300
SMITH VERNON L	730554	ECONOMICS	GS-32735X1	$ 22275	$ 32300
ANDERSON DANIEL R	730070	PSYCHOLOGY	GS-37277	$ 43246	$ 56800
AYRES JOHN J B	720414	PSYCHOLOGY	GB-36982	$ 18080	$ 24700
MOORE JOHN W	710092	PSYCHOLOGY	GB-24557A1	$ 1500	$ 1500
MOORE JOHN W	730060	PSYCHOLOGY	GB-24557	$ 30535	$ 40200
RUBINSTEIN BERNARD	720557	BOTANY	GB-37663	$ 13121	$ 16000
SMITH ALBERT C	720475	BOTANY	GB-36164X	$ 12750	$ 18200
THOMPSON WILLIAM F	730195	BOTANY	GB-38242	$ 56276	$ 67500
WALKER JAMES W	720290	BOTANY	GB-35475	$ 23166	$ 29900
CHIEN JAMES C W	720465	CHEMISTRY	GH-39111	$ 30088	$ 40000
CHIEN JAMES C W	730082	CHEMISTRY	GP-22533X1	$ 9550	$ 13000
MACKNIGHT WILLIAM J	730486	CHEMISTRY	GH-33129X1	$ 18522	$ 26600
MCEWEN WILLIAM E	720360	CHEMISTRY	GP-35873X	$ 20806	$ 26500
RAGLE JOHN L	730326	CHEMISTRY	GY-11012	$ 13500	$ 13500
RAUSCH MARVIN D	720570	CHEMISTRY	GP-20526	$ 19445	$ 26000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL SCIENCE FOUNDATION					
RAUSCH MARVIN D	730010	CHEMISTRY	GP-36889	$ 5000	$ 5000
SIGGIA SIDNEY	730152	CHEMISTRY	GP-37493X	$ 29696	$ 38900
MORSE STEARNS A	720532	GEOLOGY AND GEOGRAPHY	GA-31343	$ 14500	$ 18321
MORSE STEARNS A	730153	GEOLOGY AND GEOGRAPHY	GY-10552	$ 6525	$ 6670
HOROWITZ JOSEPH	730180	MATHEMATICS AND STATISTICS	GP-34485	$ 8437	$ 11800
LIU TENG-SUN	720100	MATHEMATICS AND STATISTICS	GP-33043	$ 6510	$ 9200
MANN LARRY N	730127	MATHEMATICS AND STATISTICS	GP-29664	$ 13986	$ 50000
MARTINDALE WALLACE S	730198	MATHEMATICS AND STATISTICS	GP-12090	$ 5960	$ 8500
ROSENKRANTZ WALTER A	720124	MATHEMATICS AND STATISTICS	GP-32960	$ 4245	$ 5900
RUDVALIS ARUNAS	730181	MATHEMATICS AND STATISTICS	GP-37818	$ 4200	$ 5500
NORKIN LEONARD C	720375	MICROBIOLOGY	GY-10347	$ 11600	$ 11600
DENT WILLIAM A	730048	PHYSICS AND ASTRONOMY	GP-14690	$ 19400	$ 54200
ENGELSBERG STANLEY	720367	PHYSICS AND ASTRONOMY	GH-34504	$ 56374	$ 79800
GERACE WILLIAM J	730248	PHYSICS AND ASTRONOMY	GP-15725	$ 21242	$ 30000
GOLDENBERG H MARK	720380	PHYSICS AND ASTRONOMY	GA-28035	$ 21850	$ 56836
HALLOCK ROBERT B	730133	PHYSICS AND ASTRONOMY	GH-37252	$ 30440	$ 37400
HUGUENIN G RICHARD	730116	PHYSICS AND ASTRONOMY	GP-32414X1	$ 105864	$ 132500
IRVINE WILLIAM M	720370	PHYSICS AND ASTRONOMY	GY-10371	$ 20000	$ 50000
IRVINE WILLIAM M	720498	PHYSICS AND ASTRONOMY	GP-22742A2	$ 13539	$ 18900

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL SCIENCE FOUNDATION					
KREISLER MICHAEL N	730016	PHYSICS AND ASTRONOMY	GP-36753	$ 87362	$ 105000
PENCHINA CLAUDE M	720255	PHYSICS AND ASTRONOMY	GH-34508	$ 41350	$ 55300
STERNHEIM MORTON M	730793	PHYSICS AND ASTRONOMY	GP-16377	$ 13256	$ 18500
STRONG JOHN D	730091	PHYSICS AND ASTRONOMY	GP-36857	$ 11066	$ 15000
TAYLOR JOSEPH H	730137	PHYSICS AND ASTRONOMY	GP-37917	$ 31600	$ 33600
STUART ALASTAIR M	730056	ZOOLOGY	GB-32536X1	$ 8450	$ 10600
KONICEK RICHARD D	730147	SCHOOL OF EDUCATION	GW-8360	$ 20360	$ 52643
WARD ROSCOE F	730061	OFFICE OF THE DEAN(ENGINEERING)	IG-00044	$ 37670	$ 37670
ADERHOLD JAMES L JR	730760	CHEMICAL ENGINEERING		$ 6600	$ 6600
DOUGLAS JAMES M	730506	CHEMICAL ENGINEERING	GK-32526X1	$ 17725	$ 54800
MCAVOY THOMAS J	720412	CHEMICAL ENGINEERING	GK-38340	$ 32950	$ 45000
SHORT W LEIGH	730552	CHEMICAL ENGINEERING	GI-39215	$ 17063	$ 17800
ARCHER ROBERT R	720611	CIVIL ENGINEERING	GK-31490	$ 3436	$ 5000
HERONEMUS WILLIAM E	730108	CIVIL ENGINEERING	GI-34979	$ 25200	$ 25200
NASH WILLIAM A	720369	CIVIL ENGINEERING	GY-10361	$ 6800	$ 6800
NASH WILLIAM A	730007	CIVIL ENGINEERING	GI-39644	$ 4980	$ 8000
STOKOE KENNETH H	730242	CIVIL ENGINEERING	GK-37443	$ 12065	$ 16900
SECOOL HOWARD D	730327	COMMONWEALTH INDUSTRIAL TECHNOLOGY	DI-39502	$ 37500	$ 54400
KOHLER WALTER H	730237	ELECTRICAL AND COMPUTER ENGINEERING	GK-37400	$ 12120	$ 17000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL SCIENCE FOUNDATION					
MCINTOSH ROBERT E	730220	ELECTRICAL AND COMPUTER ENGINEERING	GK-38461	$ 13000	$ 13000
TANG TING-WEI	730491	ELECTRICAL AND COMPUTER ENGINEERING	GK-18514	$ 3580	$ 5000
YNGVESSON K SIGFRID	730268	ELECTRICAL AND COMPUTER ENGINEERING	GP-38593X	$ 66926	$ 78600
BOOTHROYD GEOFFREY	720561	MECHANICAL AND AEROSPACE ENGINEERING	GZ-2817	$ 49000	$ 59800
KIRCHHOFF ROBERT H	730138	MECHANICAL AND AEROSPACE ENGINEERING	GY-10594	$ 13520	$ 14560
APPLEY MORTIMER H	730662	OFFICES OF THE DEANS(GRADUATE SCHOOL)	GZ-2027	$ 3819	$ 3819
CAMERINO PAT W	720553	OFFICES OF THE DEANS(GRADUATE SCHOOL)	GU-3448	$ 38055	$ 38055
PIEDMONT EUGENE B	720443	OFFICES OF THE DEANS(GRADUATE SCHOOL)	GZ-2388	$ 59307	$ 59307
ARBIB MICHAEL A	720519	COMPUTER AND INFORMATION SCIENCE	GJ-35759	$ 50578	$ 70500
SHAH NAVIN M	730293	MARINE STATION	GA-38837	$ 21980	$ 39800
KARASZ FRANK E	720439	POLYMER SCIENCE AND ENGINEERING	GH-38347	$ 190072	$ 235000
KARASZ FRANK E	730531	POLYMER RESEARCH INSTITUTE	GB-33484A2	$ 3475	$ 4800
LENZ ROBERT W	730245	POLYMER RESEARCH INSTITUTE	GH-38848	$ 30600	$ 42600
PRICE FRASER P	730574	POLYMER RESEARCH INSTITUTE	GH-34453X1	$ 14900	$ 31100
SANCHEZ ISAAC	730202	POLYMER RESEARCH INSTITUTE	GH-37361	$ 11665	$ 17000
STEIN RICHARD S	730507	POLYMER RESEARCH INSTITUTE	GH-34315X1	$ 19436	$ 35100
VOGL OTTO	720477	POLYMER RESEARCH INSTITUTE	GH-35911	$ 40500	$ 52300
TOTAL-NATIONAL SCIENCE FOUNDATION			74 GRANT(S)	$ 1949053	$ 2441181
NATIONAL ENDOWMENT FOR THE HUMANITIES					
GIBSON WALKER	730283	ENGLISH	FS-9488-73-331	$ 36491	$ 40420

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL ENDOWMENT FOR THE HUMANITIES					
HANKE LEWIS U	720527	HISTORY	RO-7921-73-195	$ 51637	$ 69871
WELLMAN ROBERT R	730005	SCHOOL OF EDUCATION	ES-5292-73-97	$ 31280	$ 34000
	TOTAL-NATIONAL ENDOWMENT FOR THE HUMANITIES		3 GRANT(S)	$ 119408	$ 134291
	TOTAL-NATIONAL FOUNDATIONS OF THE ARTS AND HUMANITIES		3 GRANT(S)	$ 119408	$ 134291
ENVIRONMENTAL PROTECTION AGENCY					
FEDER WILLIAM A	730038	SUBURBAN EXPERIMENT STATION	R-802101	$ 13075	$ 15000
ADRIAN DONALD D	720411	CIVIL ENGINEERING	T-900173	$ 56900	$ 53702
HALITSKY JAMES	720436	CIVIL ENGINEERING	T-900217	$ 61530	$ 47100
KOS PETER	720531	CIVIL ENGINEERING	U-910012	$ 6100	$ 6100
	TOTAL-ENVIRONMENTAL PROTECTION AGENCY		4 GRANT(S)	$ 137605	$ 121902
OFFICE OF ECONOMIC OPPORTUNITY					
MCCOY RHODY A	730725	SCHOOL OF EDUCATION	SP-3001-25	$ 120370	$ 130000
	TOTAL-OFFICE OF ECONOMIC OPPORTUNITY		1 GRANT(S)	$ 120370	$ 130000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED	DIRECT	TOTAL
FEDERAL AGENCIES						
ACTION PEACE CORPS						
ROSS S	730763	LANDSCAPE ARCHITECTURE AND REGIONAL PLANNING	73-043-0073		$ 31025	$ 37961
FENNER HEINRICH	730502	VETERINARY AND ANIMAL SCIENCE	73-11-03-54-11-701-681		$ 300	$ 300
	TOTAL*ACTION PEACE CORPS		2 GRANT(S)		$ 31325	$ 38261
UNIVERSITY YEAR FOR ACTION						
BURGIN RUTH W	730036	OFFICE OF THE CHANCELLOR	73-047-004A-3		$ 197522	$ 197324
	TOTAL*UNIVERSITY YEAR FOR ACTION		1 GRANT(S)		$ 197522	$ 197324
	TOTAL*ACTION		3 GRANT(S)		$ 228847	$ 235585
	TOTAL*FEDERAL INDEPENDENT AGENCIES		101 GRANT(S)		$ 2930419	$ 5539931
FEDERAL INTERAGENCY CONTRACTS						
MACCONNELL WILLIAM F	730270	FORESTRY AND WILDLIFE MANAGEMENT			$ 12500	$ 12500
	TOTAL*FEDERAL INTERAGENCY CONTRACTS		1 GRANT(S)		$ 12500	$ 12500
	TOTAL-FEDERAL AGENCIES		244 GRANT(S)		$ 8755896	$ 10087396
	TOTAL NUMBER OF AWARDS AMHERST CAMPUS FY 73		244		$ 8755896	$ 10087396

CURRENT AWARDS BY AGENCY FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES					
WHITE RICHARD H	720359	BIOLOGY	1 R01 EY01012-01	$ 28210	$ 33068
ANSELME JEAN-PIERRE L	730045	CHEMISTRY	5 R01 GM13689-07	$ 15050	$ 50639
LAUFER DANIEL A	720294	CHEMISTRY	1 R01 GM19645-01	$ 20000	$ 97316
TOTAL-NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES			3 GRANT(S)	$ 63260	$ 81023
TOTAL-PUBLIC HEALTH SERVICE			3 GRANT(S)	$ 63260	$ 81023
OFFICE OF EDUCATION					
DANIELS MARYANN	730794	OFFICE OF THE CHANCELLOR	OEG-0-73-1594	$ 2540	$ 2540
GILARDE THOMAS J	730795	OFFICE OF THE CHANCELLOR	OEG-0-73-1594	$ 2540	$ 2540
GREENFIELD GERALD	720618	OFFICE OF THE CHANCELLOR	OEG-1-72-8018-453	$ 88426	$ 95500
GREENFIELD GERALD	730144	OFFICE OF THE CHANCELLOR	OEG-0-73-0237	$ 92000	$ 100000
GREENFIELD GERALD	730715	OFFICE OF THE CHANCELLOR	OEG-1-73-8045	$ 91204	$ 98500
HAMILTON WILLIAM R	730759	OFFICE OF THE CHANCELLOR		$ 40611	$ 40611
HAMILTON WILLIAM R	730782	OFFICE OF THE CHANCELLOR	OEG-0-73-4636	$ 5000	$ 5000
TOTAL-OFFICE OF EDUCATION			7 GRANT(S)	$ 322321	$ 344691
TOTAL-DIVISION OF EDUCATION			7 GRANT(S)	$ 322321	$ 344691
TOTAL-DEPARTMENT OF HEALTH EDUCATION AND WELFARE			10 GRANT(S)	$ 385581	$ 425714

CURRENT AWARDS BY AGENCY FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL SCIENCE FOUNDATION					
BENNETT RUTH R	720435	BIOLOGY	GY-10135	$ 5300	$ 5300
MENGE BRUCE A	720440	BIOLOGY	GA-35617	$ 19499	$ 53000
GINSBERG EDWARD S	730432	PHYSICS	GP-29705A1	$ 5010	$ 6900
GETSON JACOB	730393	OFFICE OF THE CHANCELLOR	GU-4209	$ 6210	$ 6210
TOTAL-NATIONAL SCIENCE FOUNDATION			4 GRANT(S)	$ 36019	$ 41410
NATIONAL ENDOWMENT FOR THE HUMANITIES					
FERGUSON MARYANNE	730046	ENGLISH	EP-9236-73-340	$ 29885	$ 30124
TOTAL-NATIONAL ENDOWMENT FOR THE HUMANITIES			1 GRANT(S)	$ 29885	$ 30124
TOTAL-NATIONAL FOUNDATIONS OF THE ARTS AND HUMANITIES			1 GRANT(S)	$ 29885	$ 30124
UNIVERSITY YEAR FOR ACTION					
ROSS JOANNE A	730111	OFFICE OF THE CHANCELLOR	73-00-047-0004-B12	$ 88054	$ 95098
TOTAL-UNIVERSITY YEAR FOR ACTION			1 GRANT(S)	$ 88054	$ 95098
TOTAL-ACTION			1 GRANT(S)	$ 88054	$ 95098
TOTAL-FEDERAL INDEPENDENT AGENCIES			6 GRANT(S)	$ 153958	$ 166632
TOTAL-FEDERAL AGENCIES			16 GRANT(S)	$ 539539	$ 592346
TOTAL NUMBER OF AWARDS BOSTON CAMPUS FY 73			16	$ 539539	$ 592346

CURRENT AWARDS BY AGENCY FY 73 - WORCESTER CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED DIRECT	TOTAL
FEDERAL AGENCIES					
NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES					
CHLAPOWSKI FRANCIS J	730626	ANATOMY	5 R01 GM18332-05	$ 11574	$ 13744
BUTCHER REGINALD W	730087	BIOCHEMISTRY	5 R01 AM13904-04	$ 48722	$ 62861
FLATT JEAN-PIERRE	730599	BIOCHEMISTRY	1 R01 AM17456-01	$ 45358	$ 61494
HONEYMAN THOMAS H	730607	BIOCHEMISTRY	1 F02 GM55446-01	$ 6500	$ 6500
BERGHAN KOSTIA	730398	MICROBIOLOGY	1 F02 GM52552-01	$ 1000	$ 1000
TABER ROBERT L JR	720349	MICROBIOLOGY	1 R01 AI11005-01	$ 37525	$ 42712
TIPPER DONALD J	720052	MICROBIOLOGY	1 R01 AI10806-01	$ 54406	$ 65734
FAY FREDERIC S	730274	PHYSIOLOGY	5 R01 HL14523-08	$ 14581	$ 16980
GOODMAN H MAURICE	720642	PHYSIOLOGY	5 R01 AM15046-05	$ 37149	$ 47307
GRIGG PETER	730541	PHYSIOLOGY	5 R01 NS10783-02	$ 8243	$ 10295
BUTCHER REGINALD W	730129	OFFICE OF THE DEAN(MEDICAL SCHOOL)	5 S01 RR05712-02	$ 14414	$ 14414
		TOTAL-NATIONAL INSTITUTES OF HEALTH-RESEARCH INSTITUTES	11 GRANT(S)	$ 279472	$ 343041
BUREAU OF HEALTH MANPOWER EDUCATION					
SOUTTER LAMAR	720645	OFFICE OF THE DEAN(MEDICAL SCHOOL)	5 E03 PE00095-02	$ 120748	$ 150748
		TOTAL-BUREAU OF HEALTH MANPOWER EDUCATION	1 GRANT(S)	$ 120748	$ 150748
		TOTAL-NATIONAL INSTITUTES OF HEALTH	12 GRANT(S)	$ 400220	$ 463789
		TOTAL-PUBLIC HEALTH SERVICE	12 GRANT(S)	$ 400220	$ 463789
		TOTAL-DEPARTMENT OF HEALTH EDUCATION AND WELFARE	12 GRANT(S)	$ 400220	$ 463789

CURRENT AWARDS BY AGENCY FY 73 - WORCESTER CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED	DIRECT	TOTAL
FEDERAL AGENCIES						
NATIONAL SCIENCE FOUNDATION						
CLARK SAM L JR	730291	ANATOMY	GB-38360		$ 29976	$ 38000
HITTELMAN KARL J	730184	BIOCHEMISTRY	GB-37834		$ 36236	$ 43000
TOTAL-NATIONAL SCIENCE FOUNDATION				2 GRANT(S)	$ 66212	$ 81000
TOTAL-FEDERAL INDEPENDENT AGENCIES				2 GRANT(S)	$ 66212	$ 81000
TOTAL-FEDERAL AGENCIES				14 GRANT(S)	$ 466432	$ 544789
TOTAL NUMBER OF AWARDS WORCESTER CAMPUS FY 73			14		$ 466432	$ 544789

CURRENT AWARDS BY AGENCY FY 73 - ALL CAMPUS

PRINCIPAL INVESTIGATOR	OCR NO	DEPARTMENT	AGENCY GRANT NUMBER	AWARDED	DIRECT	TOTAL
FEDERAL AGENCIES						
OFFICE OF EDUCATION						
WOOD ROBERT C	720607	OFFICE OF THE PRESIDENT	002221		$ 873247	$ 873247
WOOD ROBERT C	720608	OFFICE OF THE PRESIDENT	002221		$ 755475	$ 755475
	TOTAL-OFFICE OF EDUCATION			2 GRANT(S)	$ 1628722	$ 1628722
	TOTAL-DIVISION OF EDUCATION			2 GRANT(S)	$ 1628722	$ 1628722
	TOTAL-DEPARTMENT OF HEALTH EDUCATION AND WELFARE			2 GRANT(S)	$ 1628722	$ 1628722
NATIONAL SCIENCE FOUNDATION						
WOOD ROBERT C	730394	OFFICE OF THE PRESIDENT	GU-4210		$ 5708	$ 5708
	TOTAL-NATIONAL SCIENCE FOUNDATION			1 GRANT(S)	$ 5708	$ 5708
	TOTAL-FEDERAL INDEPENDENT AGENCIES			1 GRANT(S)	$ 5708	$ 5708
	TOTAL-FEDERAL AGENCIES			3 GRANT(S)	$ 1634430	$ 1634430
	TOTAL NUMBER OF AWARDS ALL CAMPUS FY 73	3			$ 1634430	$ 1634430

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED DIRECT	TOTAL
PRIVATE FOUNDATIONS						
PRIVATE FOUNDATIONS-GENERAL						
BURN BARBARA B	INTERN	730362	INTERNATIONAL COUNCIL FOR EDUCATIONAL DEVELOPMENT		$ 2000	$ 2000
PROCOPIO PAUL N	LD ARC	730475	PLANNING APPROACHES FOR COMMUNITY ENVIRONMENTS		$ 10000	$ 10000
ZAHRADNIK JOHN W	M+A E	730589	WOMANS SEAMANS FRIEND SOCIETY OF CONNECTICUT		$ 3000	$ 3000
TOTAL-PRIVATE FOUNDATIONS-GENERAL				3 GRANT(S)	$ 15000	$ 15000
BIOMEDICAL FOUNDATIONS						
DUBY ROBERT T	AN SCI	720563	POPULATION COUNCIL		$ 8895	$ 9606
HOWE GEORGE R	AN SCI	730031	POPULATION COUNCIL		$ 8520	$ 9200
AVERILL BARRY W	AD+GEN	730157	TRI-STATE REGIONAL MEDICAL PROGRAM		$ 23050	$ 23050
TOTAL-BIOMEDICAL FOUNDATIONS				3 GRANT(S)	$ 40465	$ 41856
AMERICAN CHEMICAL SOCIETY						
WILLIAMS RINZY	CHEM	730770	AMERICAN CHEMICAL SOCIETY		$ 500	$ 500
NORDIN JOHN H	BIOCHM	720025	HERMAN FRASCH FOUNDATION		$ 50000	$ 50000
BARNES RAMON M	CHEM	730788	PETROLEUM RESEARCH FUND		$ 1500	$ 1500
CARPINO LOUIS A	CHEM	730789	PETROLEUM RESEARCH FUND		$ 7640	$ 7640

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
PRIVATE FOUNDATIONS							
AMERICAN CHEMICAL SOCIETY							
LILLYA C PETER	CHEM	720405	PETROLEUM RESEARCH FUND		$ 11220	$	11220
MILLER BERNARD	CHEM	730423	PETROLEUM RESEARCH FUND		$ 5500	$	6000
RAUSCH MARVIN D	CHEM	720219	PETROLEUM RESEARCH FUND		$ 6800	$	6800
SIGGIA SIDNEY	CHEM	730792	PETROLEUM RESEARCH FUND		$ 10000	$	10000
MACKNIGHT WILLIAM J	POLRI	720039	PETROLEUM RESEARCH FUND		$ 7000	$	8400
PORTER ROGER S	POLRI	720220	PETROLEUM RESEARCH FUND		$ 9500	$	10000
TOTAL-AMERICAN CHEMICAL SOCIETY				10 GRANT(S)	$ 109660	$	112060
SIGMA XI							
KRASNOW MICHAEL A	ANTH	730404	SIGMA XI		$ 200	$	200
HANDY WALTER A	GEOL	730402	SIGMA XI		$ 175	$	175
JEZEK PETER A	GEOL	730652	SIGMA XI		$ 250	$	250
TOTAL-SIGMA XI				3 GRANT(S)	$ 625	$	625
TOTAL-CHEMICAL RESEARCH FOUNDATIONS				13 GRANT(S)	$ 110285	$	112685
PROFESSIONAL SOCIETY FOUNDATIONS							
WILSON WILLIAM R D	M+A E	720459	SOCIETY OF MANUFACTURING ENGINEERS		$ 10000	$	10000
TOTAL-PROFESSIONAL SOCIETY FOUNDATIONS				1 GRANT(S)	$ 10000	$	10000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY	AWARDED	DIRECT	TOTAL
PRIVATE FOUNDATIONS						
PERSONAL NAME FOUNDATIONS						
ALLEN DWIGHT W	EDUC	720536	CARNEGIE CORPORATION OF NEW YORK	$	34600	$ 34600
BIRNBAUM LINDA S	MICBIO	730785	DAMON RUNYON MEMORIAL FUND FOR CANCER RESEARCH INC	$	8848	$ 8848
GREEN DAN S	SOCIOL	720625	FORD FOUNDATION	$	5000	$ 5000
FLIGHT DAVID S	EDUC	720536	FORD FOUNDATION	$	320500	$ 320500
TURNER CASTELLANO B	PSYCH	730679	FORD-ROCKEFELLER FOUNDATION PROGRAM	$	24823	$ 24823
CARLSON DAVID S	ANTH	730781	GEORGE C MARSHALL MEMORIAL FUND	$	2000	$ 2000
LOUTTIT RICHARD T	PSYCH	730078	GRANT FOUNDATION	$	209500	$ 225000
ZIFF HOWARD M	ENGL	730197	MARKLE FOUNDATION	$	71042	$ 76252
ZEISEL GERALD	ACCTG	730063	MORSE FOUNDATION	$	1000	$ 1000
WELLMAN ROBERT R	EDUC	730536	ROCKEFELLER FOUNDATION	$	56000	$ 56000
HALLOCK ROBERT B	PHYSIC	720452	SLOAN FOUNDATION	$	19300	$ 21835
ALLEN DWIGHT W	EDUC	730006	W K KELLOGG FOUNDATION	$	156000	$ 156000
CARLSON DAVID S	ANTH	730780	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	$	2000	$ 2000
FORMAN SYLVIA H	ANTH	730801	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	$	1800	$ 1800
MORBECK MARY E	ANTH	730802	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	$	1500	$ 1500
HOOKER MICHAEL	PHIL	730800	WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION	$	2925	$ 2925
MCKAY THOMAS	PHIL	730799	WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION	$	2925	$ 2925
TOTAL-PERSONAL NAME FOUNDATIONS			17 GRANT(S)	$	919963	$ 943208
INDUSTRIAL FOUNDATIONS						
GALE BRADLEY T	ECON	720624	GENERAL ELECTRIC FOUNDATION	$	2200	$ 2200

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY	AWARDED	DIRECT	TOTAL
PRIVATE FOUNDATIONS						
INDUSTRIAL FOUNDATIONS						
RITTER JOHN E	ENGIN	730577	GENERAL ELECTRIC FOUNDATION		$ 6000	$ 6000
TOTAL-INDUSTRIAL FOUNDATIONS				2 GRANT(S)	$ 8200	$ 8200
TOTAL-PRIVATE FOUNDATIONS				39 GRANT(S)	$ 1103913	$ 1130949

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY	AWARDED	DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS						
COMMONWEALTH OF MASSACHUSETTS-GENERAL						
SCHWARZ TERRY C	FACNL	730500	COUNCIL ON THE ARTS AND HUMANITIES	$	2500	$ 2500
MCCOY RHODY A	EDJC	730772	GOVERNORS PUBLIC SAFETY COMMITTEE	$	20268	$ 20268
TOTAL-COMMONWEALTH OF MASSACHUSETTS-GENERAL			2 GRANT(S)	$	22768	$ 22768
MASSACHUSETTS STATE AGENCIES						
WOODBURY ROBERT L	PROVOS	730356	BOARD OF HIGHER EDUCATION	$	48000	$ 48000
VENMAN WILLIAM C	CONTED	730367	BOARD OF HIGHER EDUCATION	$	30551	$ 31556
KREPLICK RUTH	ENVSCI	730746	DEPARTMENT OF COMMUNITY AFFAIRS AND DEVELOPMENT	$	3500	$ 3500
GORTH WILLIAM P	EDJC	730646	DEPARTMENT OF EDUCATION	$	14800	$ 14800
ERTEL KENNETH A	EDJC	720337	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	55527	$ 55527
ERTEL KENNETH A	EDJC	720340	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	93250	$ 93250
ERTEL KENNETH A	EDJC	730028	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	116800	$ 116800
ERTEL KENNETH A	EDJC	730426	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	8200	$ 8200
ERTEL KENNETH A	EDJC	730427	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	11800	$ 11800
ERTEL KENNETH A	EDJC	730592	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	4000	$ 4000
ERTEL KENNETH A	EDJC	730778	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	1500	$ 1500
ERTEL KENNETH A	EDJC	730779	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	$	7000	$ 7000
BOLANN STUART E	PSYCH	730022	DEPARTMENT OF MENTAL HEALTH	$	13500	$ 13500

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY	AWARDED DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS					
MASSACHUSETTS STATE AGENCIES					
CAREW DONALD K	EDUC	730219	DEPARTMENT OF MENTAL HEALTH	$ 10000	$ 10000
JOHNSON JAMES F	FOREST	730150	DEPARTMENT OF NATURAL RESOURCES	$ 8250	$ 8250
TZILKOWSKI W	FOREST	730798	DEPARTMENT OF NATURAL RESOURCES	$ 3645	$ 3645
COX CHARLES D	MICBIO	720395	DEPARTMENT OF PUBLIC HEALTH	$ 35082	$ 35082
WILKINSON THOMAS O	SOCIOL	730804	DEPARTMENT OF PUBLIC HEALTH-DIVISION OF MEDICAL SERVICES	$ 6000	$ 6000
OLLEY JOHN G	PSYCH	730629	DEPARTMENT OF PUBLIC WELFARE	$ 4878	$ 4878
SCANLON GERALD	CHAN	720578	DEPARTMENT OF YOUTH SERVICES	$ 26500	$ 26500
SCANLON GERALD	CHAN	730302	DEPARTMENT OF YOUTH SERVICES	$ 36500	$ 36500
BROWN DONALD	PROVOS	730805	DEPARTMENT OF YOUTH SERVICES	$ 3600	$ 3600
DYE LARRY L	EDUC	720424	DEPARTMENT OF YOUTH SERVICES	$ 134855	$ 134855
WILKINSON THOMAS O	SOCIOL	730598	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	$ 6000	$ 6000
ZUBE ERVIN H	IFM+E	730610	EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS	$ 6500	$ 6500
ZUBE ERVIN H	IFM+E	730611	EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS	$ 2500	$ 2500
DIGIANO FRANCIS A	C E	730514	WATER RESOURCES COMMISSION	$ 172000	$ 172000
FENG TSUAN HUA	C E	730512	WATER RESOURCES COMMISSION	$ 59500	$ 59500
KUZMINSKI LAWRENCE N	C E	730513	WATER RESOURCES COMMISSION	$ 94000	$ 94000
TOTAL-MASSACHUSETTS STATE AGENCIES			29 GRANT(S)	$ 1018238	$ 1019645
MASSACHUSETTS FOUNDATIONS					
YENTSCH CHARLES S	GLOUC	730649	MASSACHUSETTS SCIENCE AND TECHNOLOGY FOUNDATION	$ 7404	$ 10000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS							
MASSACHUSETTS FOUNDATIONS							
TOTAL-MASSACHUSETTS FOUNDATIONS				1 GRANT(S)	$	7404 $	10000
MASSACHUSETTS COMMUNITIES							
GENTRY ATRON A	EDUC	720629	SPRINGFIELD PUBLIC SCHOOLS		$	49620 $	53920
GENTRY ATRON A	EDUC	720632	SPRINGFIELD PUBLIC SCHOOLS		$	17500 $	19000
GENTRY ATRON A	EDUC	730751	SPRINGFIELD PUBLIC SCHOOLS		$	59444 $	64200
ZAHRADNIK JOHN W	M+A E	720593	TOWN OF MARION		$	4000 $	4000
ZAHRADNIK JOHN W	M+A E	720592	TOWN OF MATTAPOISETT		$	4000 $	4000
PROCOPIO PAUL N	LD ARC	730397	TOWN OF SHARON		$	5000 $	5000
GORTH WILLIAM P	EDUC	730508	WESTFIELD PUBLIC SCHOOLS		$	3000 $	3000
ALLEN DWIGHT W	EDUC	720631	WORCESTER PUBLIC SCHOOLS		$	41667 $	45000
GENTRY ATRON A	EDUC	720630	WORCESTER PUBLIC SCHOOLS		$	77280 $	84000
GENTRY ATRON A	EDUC	730752	WORCESTER PUBLIC SCHOOLS		$	143560 $	155000
ROSSMAN MARK H	EDUC	720580	WORCESTER PUBLIC SCHOOLS		$	30000 $	30000
TOTAL-MASSACHUSETTS COMMUNITIES				11 GRANT(S)	$	435071 $	467120
OTHER MASSACHUSETTS GRANTS							
WALKER ROBERT W	ENVSCI	730395	MASSACHUSETTS TUBERCULOSIS + RESPIRATORY DISEASE LEAGUE INC		$	1250 $	1938

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS						
OTHER MASSACHUSETTS GRANTS						
TROLL JOSEPH	PLSOIL	730143	PROCESS RESEARCH INC		$ 10000	$ 10000
TOTAL-OTHER MASSACHUSETTS GRANTS				2 GRANT(S)	$ 11250	$ 11938
TOTAL-COMMONWEALTH OF MASSACHUSETTS				45 GRANT(S)	$ 1494731	$ 1530269

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY	AWARDED	DIRECT	TOTAL
INDUSTRY CONTRACTS						
INDUSTRY GRANTS-GENERAL						
CROSS CHESTER E	CRAN	730774	KENNECOTT COPPER CORPORATION		$ 200	$ 200
TOTAL-INDUSTRY CONTRACTS-GENERAL				1 GRANT(S)	$ 200	$ 200
MASSACHUSETTS INDUSTRY						
GENTILE ADRIAN G	WALTH	730733	CHEMAGRO DIVISION-BAYCHEM CORP		$ 500	$ 500
BEMBEN STANLEY M	C E	730564	CHICOPEE BORING AND TESTING LABORATORIES		$ 8100	$ 8100
SHORT W LEIGH	CH E	730456	DYNATECH CORPORATION		$ 49463	$ 68164
LITSKY WARREN	ENVSCI	730732	MILLIPORE CORPORATION		$ 9000	$ 9000
GUNEY SEMA	FD SCI	720635	MIRLIN CORPORATION		$ 4000	$ 4000
MAY THOMAS	M+A E	720529	NORTON COMPANY		$ 4750	$ 4750
TOTAL-MASSACHUSETTS INDUSTRY				6 GRANT(S)	$ 75813	$ 94514
US INDUSTRY						
EDINGTON DEE W	P E	730296	ACMAT CORPORATION		$ 25000	$ 25000
SOUTHWICK FRANCIS W	PLSOIL	730734	ASWAY INC		$ 2000	$ 2000
ZUCKERMAN BERT M	CRAN	730758	CHEVRON CHEMICAL COMPANY		$ 500	$ 500

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY	AWARDED	DIRECT	TOTAL
INDUSTRY CONTRACTS						
US INDUSTRY						
NAEGELE JOHN A	WA_TH	730743	CHEVRON CHEMICAL COMPANY	$	200	$ 200
HORVAY GABRIEL	M+A E	730151	COMBUSTION ENGINEERING INC	$	4000	$ 4000
TREHUB ARNOLD	PSYCH	720474	CONTROL DATA CORPORATION	$	3620	$ 3000
GATSLICK HAROLD B	FOREST	730529	DARWORTH INC	$	1000	$ 1000
DIXON JOHN R	M+A E	730775	EASTMAN KODAK COMPANY	$	6000	$ 6000
GALINAT WALTON C	WA_TH	730101	FUNK SEEDS INTERNATIONAL INC	$	1000	$ 1000
HOADLEY R BRUCE	FOREST	730139	GENERAL ELECTRIC COMPANY	$	1000	$ 1000
STEIN RICHARD S	POLRI	730509	GENERAL ELECTRIC COMPANY	$	12000	$ 12000
STEIN RICHARD S	POLRI	730057	GENERAL TIRE AND RUBBER COMPANY	$	6000	$ 6000
MARRA ALAN A	FOREST	730723	MORRISON-KNUDSEN-RDA INC	$	2000	$ 2000
GENTILE ADRIAN G	WA_TH	730608	NOR-AM AGRICULTURAL PRODUCTS INC	$	200	$ 200
ZUBE ERVIN H	IFW+E	730194	NORTHEAST UTILITIES SERVICE COMPANY	$	17980	$ 24180
REED ROGER J	FOREST	730510	NORTHEAST UTILITIES SERVICE COMPANY	$	39591	$ 39591
LITSKY WARREN	ENVSCI	730392	RUSH-HAMPTON INDUSTRIES	$	12000	$ 12000
CROSS CHESTER E	CR/N	730062	SANDOZ-WANDER INC	$	2000	$ 2000
GENTILE ADRIAN G	WA_TH	730724	SHELL DEVELOPMENT COMPANY	$	500	$ 500
NAEGELE JOHN A	WA_TH	730103	SHELL DEVELOPMENT COMPANY	$	500	$ 500
NAEGELE JOHN A	WA_TH	730741	SHELL DEVELOPMENT COMPANY	$	500	$ 500
WILSON WILLIAM R J	M+A E	730428	SMITH KLINE AND FRENCH LABORATORIES	$	6000	$ 6000

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
INDUSTRY CONTRACTS							
US INDUSTRY							
DEVLIN ROBERT M	CRAN	730786	STAUFFER CHEMICAL COMPANY		$ 300	$	300
STUMBO CHARLES R	FD SCI	720638	TRAVENOL LABORATORIES INC		$ 6000	$	6000
STEIN RICHARD S	POLRI	720615	UNIROYAL INC		$ 3000	$	3000
STEIN RICHARD S	POLRI	730439	UNIROYAL INC		$ 3000	$	3000
CROSS CHESTER E	CRAN	730165	WHITMAN AND HOWARD INC		$ 630	$	630
STEIN RICHARD S	POLRI	730784	XEROX CORPORATION		$ 5000	$	5000
VOGL OTTO	POLRI	730783	XEROX CORPORATION		$ 5000	$	5000
TOTAL-US INDUSTRY				29 GRANT(S)	$ 166521	$	174101
TOTAL-INDUSTRY CONTRACTS				36 GRANT(S)	$ 242534	$	288815

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED DIRECT	TOTAL
UNIVERSITY GRANTS						
UNIVERSITY GRANTS-GENERAL						
HOLT STANLEY C	MICBIO	730115	AMHERST COLLEGE		$ 3667	$ 3667
HOLT STANLEY C	MICBIO	730627	AMHERST COLLEGE		$ 12200	$ 12200
MARCUS JOSEPH S	ENGIN	730013	DUKE UNIVERSITY		$ 7615	$ 7615
ZAHRADNIK JOHN W	M+A E	730609	MASSACHUSETTS INSTITUTE OF TECHNOLOGY		$ 1000	$ 1000
POLITELLA DARIO	ENGL	720613	UNIVERSITY OF MINNESOTA		$ 4500	$ 4500
SUTTON GORDON F	SOCIOL	720571	WORCESTER POLYTECHNIC INSTITUTE		$ 3558	$ 3558
TOTAL-UNIVERSITY GRANTS-GENERAL				6 GRANT(S)	$ 32540	$ 32540

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
NEW ENGLAND AGENCIES							
NEW ENGLAND INDUSTRY							
GIGLIO RICHARD J	I E	720554	NEW ENGLAND ELECTRIC SYSTEM		$ 18340	$	25932
TOTAL-NEW ENGLAND INDUSTRY				1 GRANT(S)	$ 18340	$	25932
NEW ENGLAND PROGRAMS							
ROSSMAN MARK H	EDUC	720581	NEW ENGLAND CENTER FOR CONTINUING EDUCATION		$ 51999	$	51999
RUDMAN MASHA	EDUC	720371	NEW ENGLAND PROGRAM IN TEACHER EDUCATION		$ 7500	$	7500
RUDMAN MASHA	EDUC	720372	NEW ENGLAND PROGRAM IN TEACHER EDUCATION		$ 46000	$	46000
JORDAN DANIEL C	EDUC	730175	NEW ENGLAND PROGRAMS IN TEACHER EDUCATION		$ 46667	$	50000
TOTAL-NEW ENGLAND PROGRAMS				4 GRANT(S)	$ 132166	$	155499
NEW ENGLAND FOUNDATIONS							
ZAJICEK OLIVER T	CHEM	730505	NEW ENGLAND RESEARCH INC		$ 5200	$	5200
TOTAL-NEW ENGLAND FOUNDATIONS				1 GRANT(S)	$ 5200	$	5200
TOTAL-NEW ENGLAND AGENCIES				6 GRANT(S)	$ 155706	$	186631

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
OUT OF STATE EXCLUDING INDUSTRY							
OUT OF STATE-IN US EXCLUDING INDUSTRY							
GORTH WILLIAM P	EDUC	730424	CONNECTICUT CAPITOL REGION EDUCATION COUNCIL		$	2430	$ 2430
GORTH WILLIAM P	EDUC	730612	CONNECTICUT CAPITOL REGION EDUCATION COUNCIL		$	2584	$ 2584
GENTRY ATRON A	EDUC	730023	NEW YORK CITY BOARD OF EDUCATION		$	339365	$ 368820
TOTAL-OUT OF STATE-IN US EXCLUDING INDUSTRY				3 GRANT(S)	$	344379	$ 373834

CURRENT AWARDS BY AGENCY FY 73 - AMHERST CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
OTHER THAN ABOVE							
OTHER THAN ABOVE							
JORDAN DANIEL C	EDUC	730736	HUMAN RESOURCES CORPORATION		$ 41114	$	41114
TOTAL-OTHER THAN ABOVE				1 GRANT(S)	$ 41114	$	41114
TOTAL NUMBER OF AWARDS AMHERST CAMPUS FY 73				136	$ 3414917	$	3542452

CURRENT AWARDS BY AGENCY FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED DIRECT	TOTAL
PRIVATE FOUNDATIONS						
AMERICAN CHEMICAL SOCIETY						
ALPER JOSEPH S	CHEM	730790	PETROLEUM RESEARCH FUND		$ 2500	$ 2500
TOTAL-AMERICAN CHEMICAL SOCIETY				1 GRANT(S)	$ 2500	$ 2500
TOTAL-CHEMICAL RESEARCH FOUNDATIONS				1 GRANT(S)	$ 2500	$ 2500
PERSONAL NAME FOUNDATIONS						
MARSHALL DOROTHY	PROV	730757	CARNEGIE CORPORATION OF NEW YORK		$ 400000	$ 400000
ANRIG GREGORY R	CHANC	730437	FORD FOUNDATION		$ 380655	$ 303230
SLAVET JOSEPH	CHANC	730753	MABEL LOUISE RILEY TRUST		$ 5500	$ 5500
KRAMER BERNARD M	PSYCH	730131	MAURICE FALK MEDICAL FUND		$ 17000	$ 17000
GETSON JACOB	CHANC	730436	PETER E STRAUSS FOUNDATION		$ 1500	$ 1500
TOTAL-PERSONAL NAME FOUNDATIONS				5 GRANT(S)	$ 804655	$ 727230
TOTAL-PRIVATE FOUNDATIONS				6 GRANT(S)	$ 807155	$ 729730

CURRENT AWARDS BY AGENCY FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS						
MASSACHUSETTS STATE AGENCIES						
CASE JAMES A	CHANC	730429	BOARD OF HIGHER EDUCATION		$ 46728	$ 46728
GETSON JACOB	CHANC	720627	BOARD OF HIGHER EDUCATION		$ 16759	$ 16759
GETSON JACOB	CHANC	720637	BOARD OF HIGHER EDUCATION		$ 16900	$ 18250
SHUFRO STEPHEN	CHANC	730777	DEPARTMENT OF CORRECTION		$ 33000	$ 33000
GETSON JACOB	CHANC	730628	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY		$ 18575	$ 25000
TOTAL-MASSACHUSETTS STATE AGENCIES				5 GRANT(S)	$ 131962	$ 139737
MASSACHUSETTS FOUNDATIONS						
SLAVET JOSEPH	CHANC	730752	COMMITTEE OF THE PERMANENT CHARITY FUND INC		$ 20000	$ 20000
KRAMER BERNARD M	PSYCH	730708	MEDICAL RESEARCH FOUNDATION OF BOSTON INC		$ 1250	$ 1250
TOTAL-MASSACHUSETTS FOUNDATIONS				2 GRANT(S)	$ 21250	$ 21250
MASSACHUSETTS COMMUNITIES						
ANRIG GREGORY R	CHANC	730744	BOSTON SCHOOL COMMITTEE		$ 19810	$ 19810
CASE JAMES A	CHANC	730773	BOSTON SCHOOL COMMITTEE		$ 3650	$ 3650

CURRENT AWARDS BY AGENCY FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS						
MASSACHUSETTS COMMUNITIES						
CASE JAMES A	CHANC	730776	BOSTON SCHOOL COMMITTEE		$ 1675	$ 1675
TOTAL-MASSACHUSETTS COMMUNITIES				3 GRANT(S)	$ 25135	$ 25135
OTHER MASSACHUSETTS GRANTS						
AYRES BARBARA	ANTH	730639	EXETER INTERNATIONAL CORPORATION		$ 1000	$ 1000
TOTAL-OTHER MASSACHUSETTS GRANTS				1 GRANT(S)	$ 1000	$ 1000
TOTAL-COMMONWEALTH OF MASSACHUSETTS				11 GRANT(S)	$ 179347	$ 187122

CURRENT AWARDS BY AGENCY FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY	AWARDED	DIRECT	TOTAL
UNIVERSITY GRANTS						
UNIVERSITY GRANTS-GENERAL						
FOWLER JACK	P+D	730728	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	$ 48216	$	75240
TOTAL-UNIVERSITY GRANTS-GENERAL				1 GRANT(S) $ 48216	$	75240

CURRENT AWARDS BY AGENCY FY 73 - BOSTON CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	DCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
OTHER THAN ABOVE							
OTHER THAN ABOVE							
HAMILTON WILLIAM R	CHANC	730766	ANONYMOUS GIFT		$ 10000	$	10000
TOTAL-OTHER THAN ABOVE				1 GRANT(S)	$ 10000	$	10000
TOTAL NUMBER OF AWARDS BOSTON CAMPUS FY 73				19	$ 1044718	$	1000092

CURRENT AWARDS BY AGENCY FY 73 - WORCESTER CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	DCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
PRIVATE FOUNDATIONS							
BIOMEDICAL FOUNDATIONS							
FULMER HUGH S	COMMED	730178	TRI-STATE REGIONAL MEDICAL PROGRAM		$ 24894	$	24894
TOTAL-BIOMEDICAL FOUNDATIONS				1 GRANT(S)	$ 24894	$	24894
TOTAL-PRIVATE FOUNDATIONS				1 GRANT(S)	$ 24894	$	24894

CURRENT AWARDS BY AGENCY FY 73 - WORCESTER CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS						
MASSACHUSETTS STATE AGENCIES						
FULMER HUGH S	COMMED	730504	BOARD OF HIGHER EDUCATION		$ 15500	$ 15500
TOTAL-MASSACHUSETTS STATE AGENCIES				1 GRANT(S)	$ 15500	$ 15500
MASSACHUSETTS FOUNDATIONS						
SINGER JOSHUA J	PHYSIO	730132	MASSACHUSETTS HEART ASSOCIATION		$ 7450	$ 8268
TOTAL-MASSACHUSETTS FOUNDATIONS				1 GRANT(S)	$ 7450	$ 8268
MASSACHUSETTS COMMUNITIES						
FULMER HUGH S	COMMED	730709	WORCESTER-FRANKLIN HEALTH ASSOCIATION INC		$ 5000	$ 5000
TOTAL-MASSACHUSETTS COMMUNITIES				1 GRANT(S)	$ 5000	$ 5000
TOTAL-COMMONWEALTH OF MASSACHUSETTS				3 GRANT(S)	$ 27950	$ 29068
TOTAL NUMBER OF AWARDS WORCESTER CAMPUS FY 73			4		$ 52844	$ 53962

CURRENT AWARDS BY AGENCY FY 73 - ALL CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
PRIVATE FOUNDATIONS							
PERSONAL NAME FOUNDATIONS							
WOOD ROBERT C	PRES	730806	FORD FOUNDATION			$ 32500	$ 32500
TOTAL-PERSONAL NAME FOUNDATIONS				1 GRANT(S)		$ 32500	$ 32500
TOTAL-PRIVATE FOUNDATIONS				1 GRANT(S)		$ 32500	$ 32500

CURRENT AWARDS BY AGENCY FY 73 - ALL CAMPUS

PRINCIPAL INVESTIGATOR	DEPT.	OCR NO	SPECIFIC AGENCY		AWARDED	DIRECT	TOTAL
COMMONWEALTH OF MASSACHUSETTS							
COMMONWEALTH OF MASSACHUSETTS-GENERAL							
EVE ARTHUR W	GOVTSV	730803	FIREFIGHTING ACADEMY		$ 3000	$	3000
TOTAL-COMMONWEALTH OF MASSACHUSETTS-GENERAL				1 GRANT(S)	$ 3000	$	3000
MASSACHUSETTS STATE AGENCIES							
EVE ARTHUR W	GOVTSV	730359	DEPARTMENT OF EDUCATION		$ 5000	$	5000
DONAHUE MAURICE A	GOVTSV	730787	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE		$ 59544	$	68136
EVE ARTHUR W	GOVTSV	730605	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE		$ 102311	$	102311
DONAHUE MAURICE A	GOVTSV	730606	OFFICE OF THE COMMISSIONER OF PROBATION		$ 21265	$	22500
TOTAL-MASSACHUSETTS STATE AGENCIES				4 GRANT(S)	$ 188120	$	197947
MASSACHUSETTS COMMUNITIES							
EVE ARTHUR W	GOVTSV	730521	CITY OF HOLYOKE MA		$ 9990	$	9990
TOTAL-MASSACHUSETTS COMMUNITIES				1 GRANT(S)	$ 9990	$	9990
TOTAL-COMMONWEALTH OF MASSACHUSETTS				6 GRANT(S)	$ 201110	$	210937
TOTAL NUMBER OF AWARDS ALL CAMPUS FY 73			7		$ 233610	$	243937

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 = AMHERST CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730296	ACMAT CORPORATION	EDINGTON DEE W	P E	$ 25000	$ 25000
730734	AGWAY INC	SOUTHWICK FRANCIS W	PLSOIL	$ 2000	$ 2000
730770	AMERICAN CHEMICAL SOCIETY	WILLIAMS RINZY	CHEM	$ 500	$ 500
730115	AMHERST COLLEGE	HOLT STANLEY C	MICBIO	$ 3667	$ 3667
730627	AMHERST COLLEGE	HOLT STANLEY C	MICBIO	$ 12200	$ 12200
730367	BOARD OF HIGHER EDUCATION	VENMAN WILLIAM C	CONTED	$ 30551	$ 31556
730366	BOARD OF HIGHER EDUCATION	WOODBURY ROBERT L	PROVOS	$ 48000	$ 48000
720586	CARNEGIE CORPORATION OF NEW YORK	ALLEN DWIGHT W	EDUC	$ 34800	$ 34800
730733	CHEMAGRO DIVISION-BAYCHEM CORP	GENTILE ADRIAN G	WALTH	$ 500	$ 500
730743	CHEVRON CHEMICAL COMPANY	NAEGELE JOHN A	WALTH	$ 200	$ 200
730768	CHEVRON CHEMICAL COMPANY	ZUCKERMAN BERT M	CRAN	$ 500	$ 500
730564	CHICOPEE BORING AND TESTING LABORATORIES	BEMBEN STANLEY M	C E	$ 8100	$ 8100
730161	COMBUSTION ENGINEERING INC	HORVAY GABRIEL	M+A E	$ 4000	$ 4000
730424	CONNECTICUT CAPITOL REGION EDUCATION COUNCIL	GORTH WILLIAM P	EDUC	$ 2430	$ 2430
730612	CONNECTICUT CAPITOL REGION EDUCATION COUNCIL	GORTH WILLIAM P	EDUC	$ 2584	$ 2584
720474	CONTROL DATA CORPORATION	TREHUB ARNOLD	PSYCH	$ 3620	$ 5000
730500	COUNCIL ON THE ARTS AND HUMANITIES	SCHWARZ TERRY C	FACNL	$ 2500	$ 2500
730785	DAMON RUNYON MEMORIAL FUND FOR CANCER RESEARCH INC	BIRNBAUM LINDA S	MICBIO	$ 8848	$ 8848
730529	DARWORTH INC	GATSLICK HAROLD B	FOREST	$ 1000	$ 1000
730746	DEPARTMENT OF COMMUNITY AFFAIRS AND DEVELOPMENT	KREPLICK RUTH	ENVSCI	$ 3500	$ 3500
730646	DEPARTMENT OF EDUCATION	GORTH WILLIAM P	EDUC	$ 14800	$ 14800
720337	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 55527	$ 55527
720340	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 93250	$ 93250
730028	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 116800	$ 116800
730426	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 8200	$ 8200

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 = AMHERST CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730427	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 11800	$ 11800
730592	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 4000	$ 4000
730778	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 1500	$ 1500
730779	DEPARTMENT OF EDUCATION-DIVISION OF OCCUPATIONAL EDUCATION	ERTEL KENNETH A	EDUC	$ 7000	$ 7000
730219	DEPARTMENT OF MENTAL HEALTH	CAREW DONALD K	EDUC	$ 10000	$ 10000
730022	DEPARTMENT OF MENTAL HEALTH	GOLANN STUART E	PSYCH	$ 13500	$ 13500
730160	DEPARTMENT OF NATURAL RESOURCES	JOHNSON JAMES E	FOREST	$ 8250	$ 8250
730798	DEPARTMENT OF NATURAL RESOURCES	TZILKOWSKI W	FOREST	$ 3645	$ 3645
720395	DEPARTMENT OF PUBLIC HEALTH	COX CHARLES D	MICRIO	$ 35082	$ 35082
730804	DEPARTMENT OF PUBLIC HEALTH-DIVISION OF MEDICAL SERVICES	WILKINSON THOMAS O	SOCIOL	$ 6000	$ 6000
730629	DEPARTMENT OF PUBLIC WELFARE	OLLEY JOHN G	PSYCH	$ 4878	$ 4878
730805	DEPARTMENT OF YOUTH SERVICES	BROWN DONALD	PROVOS	$ 3600	$ 3600
720424	DEPARTMENT OF YOUTH SERVICES	DYE LARRY L	EDUC	$ 134855	$ 134855
720578	DEPARTMENT OF YOUTH SERVICES	SCANLON GERALD	CHAN	$ 26500	$ 26500
730302	DEPARTMENT OF YOUTH SERVICES	SCANLON GERALD	CHAN	$ 36500	$ 36500
730013	DUKE UNIVERSITY	MARCUS JOSEPH S	ENGIN	$ 7615	$ 7615
730466	DYNATECH CORPORATION	SHORT W LEIGH	CH E	$ 49463	$ 68164
730775	EASTMAN KODAK COMPANY	DIXON JOHN R	M+A E	$ 6000	$ 6000
730598	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	WILKINSON THOMAS O	SOCIOL	$ 6000	$ 6000
730610	EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS	ZUBE ERVIN H	IFM+E	$ 6500	$ 6500
730611	EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS	ZUBE ERVIN H	IFM+E	$ 2500	$ 2500
720536	FORD FOUNDATION	FLIGHT DAVID S	EDUC	$ 320500	$ 320500
720625	FORD FOUNDATION	GREEN DAN S	SOCIOL	$ 5000	$ 5000
730679	FORD-ROCKEFELLER FOUNDATION PROGRAM	TURNER CASTELLANO B	PSYCH	$ 24823	$ 24823
730101	FUNK SEEDS INTERNATIONAL INC	GALINAT WALTON C	WALTH	$ 1000	$ 1000

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 = AMHERST CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730139	GENERAL ELECTRIC COMPANY	HOADLEY R BRUCE	FOREST	$ 1000	$ 1000
730509	GENERAL ELECTRIC COMPANY	STEIN RICHARD S	POLRI	$ 12000	$ 12000
720624	GENERAL ELECTRIC FOUNDATION	GALE BRADLEY T	ECON	$ 2200	$ 2200
730577	GENERAL ELECTRIC FOUNDATION	RITTER JOHN E	ENGIN	$ 6000	$ 6000
730057	GENERAL TIRE AND RUBBER COMPANY	STEIN RICHARD S	POLRI	$ 6000	$ 6000
730781	GEORGE C MARSHALL MEMORIAL FUND	CARLSON DAVID S	ANTH	$ 2000	$ 2000
730772	GOVERNORS PUBLIC SAFETY COMMITTEE	MCCOY RHODY A	EDUC	$ 20268	$ 20268
730078	GRANT FOUNDATION	LOUTTIT RICHARD T	PSYCH	$ 209500	$ 225000
720025	HERMAN FRASCH FOUNDATION	NORDIN JOHN H	BIOCHM	$ 50000	$ 50000
730736	HUMAN RESOURCES CORPORATION	JORDAN DANIEL C	EDUC	$ 41114	$ 41114
730362	INTERNATIONAL COUNCIL FOR EDUCATIONAL DEVELOPMENT	BURN BARBARA B	INTERN	$ 2000	$ 2000
730774	KENNECOTT COPPER CORPORATION	CROSS CHESTER E	CRAN	$ 200	$ 200
730197	MARKLE FOUNDATION	ZIFF HOWARD M	ENGL	$ 71042	$ 76252
730609	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	ZAHRADNIK JOHN W	M+A E	$ 1000	$ 1000
730649	MASSACHUSETTS SCIENCE AND TECHNOLOGY FOUNDATION	YENTSCH CHARLES S	GLOUC	$ 7404	$ 10000
730395	MASSACHUSETTS TUBERCULOSIS + RESPIRATORY DISEASE LEAGUE INC	WALKER ROBERT W	ENVSCI	$ 1250	$ 1438
730732	MILLIPORE CORPORATION	LITSKY WARREN	ENVSCI	$ 9000	$ 9000
720635	MIRLIN CORPORATION	GUNEY SEMA	FD SCI	$ 4000	$ 4000
730723	MORRISON-KNUDSEN-RDA INC	MARRA ALAN A	FOREST	$ 2000	$ 2000
730063	MORSE FOUNDATION	ZEISEL GERALD	ACCTG	$ 1000	$ 1000
720581	NEW ENGLAND CENTER FOR CONTINUING EDUCATION	ROSSMAN MARK H	EDUC	$ 31999	$ 31999
720554	NEW ENGLAND ELECTRIC SYSTEM	GIGLIO RICHARD J	I E	$ 18340	$ 23932
720371	NEW ENGLAND PROGRAM IN TEACHER EDUCATION	RUDMAN MASHA	EDUC	$ 7500	$ 7500
720372	NEW ENGLAND PROGRAM IN TEACHER EDUCATION	RUDMAN MASHA	EDUC	$ 46000	$ 46000
730175	NEW ENGLAND PROGRAMS IN TEACHER EDUCATION	JORDAN DANIEL C	EDUC	$ 46667	$ 50000

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 - AMHERST CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730505	NEW ENGLAND RESEARCH INC	ZAJICEK OLIVER T	CHEM	$ 5200	$ 5200
730023	NEW YORK CITY BOARD OF EDUCATION	GENTRY ATRON A	EDUC	$ 339365	$ 368820
730608	NOR-AM AGRICULTURAL PRODUCTS INC	GENTILE ADRIAN G	WALTH	$ 200	$ 200
730510	NORTHEAST UTILITIES SERVICE COMPANY	REED ROGER J	FOREST	$ 39591	$ 39591
730194	NORTHEAST UTILITIES SERVICE COMPANY	ZUBE ERVIN H	IFM+E	$ 17980	$ 24180
720529	NORTON COMPANY	MAY THOMAS	M+A E	$ 4750	$ 4750
730788	PETROLEUM RESEARCH FUND	BARNES RAMON M	CHEM	$ 1500	$ 1500
730789	PETROLEUM RESEARCH FUND	CARPINO LOUIS A	CHEM	$ 7640	$ 7640
720405	PETROLEUM RESEARCH FUND	LILLYA C PETER	CHEM	$ 11220	$ 11220
720039	PETROLEUM RESEARCH FUND	MACKNIGHT WILLIAM J	POLRI	$ 7000	$ 8400
730423	PETROLEUM RESEARCH FUND	MILLER BERNARD	CHEM	$ 5500	$ 6000
720220	PETROLEUM RESEARCH FUND	PORTER ROGER S	POLRI	$ 9500	$ 10000
720219	PETROLEUM RESEARCH FUND	RAUSCH MARVIN D	CHEM	$ 6800	$ 6800
730792	PETROLEUM RESEARCH FUND	SIGGIA SIDNEY	CHEM	$ 10000	$ 10000
730475	PLANNING APPROACHES FOR COMMUNITY ENVIRONMENTS	PROCOPIO PAUL N	LD ARC	$ 10000	$ 10000
720563	POPULATION COUNCIL	DUBY ROBERT T	AN SCI	$ 8895	$ 9606
730051	POPULATION COUNCIL	HOWE GEORGE R	AN SCI	$ 8520	$ 9200
730143	PROCESS RESEARCH INC	TROLL JOSEPH	PLSOIL	$ 10000	$ 10000
730586	ROCKEFELLER FOUNDATION	WELLMAN ROBERT R	EDUC	$ 56000	$ 56000
730392	RUSH-HAMPTON INDUSTRIES	LITSKY WARREN	ENVSCI	$ 12000	$ 12000
730062	SANDOZ-WANDER INC	CROSS CHESTER E	CRAN	$ 2000	$ 2000
730724	SHELL DEVELOPMENT COMPANY	GENTILE ADRIAN G	WALTH	$ 500	$ 500
730103	SHELL DEVELOPMENT COMPANY	NAEGELE JOHN A	WALTH	$ 500	$ 500
730741	SHELL DEVELOPMENT COMPANY	NAEGELE JOHN A	WALTH	$ 500	$ 500
730402	SIGMA XI	HANDY WALTER A	GEOL	$ 175	$ 175

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 = AMHERST CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730652	SIGMA XI	JEZEK PETER A	GEOL	$ 250	$ 250
730404	SIGMA XI	KRASNOW MICHAEL A	ANTH	$ 200	$ 200
720462	SLOAN FOUNDATION	HALLOCK ROBERT B	PHYSIC	$ 19300	$ 21835
730428	SMITH KLINE AND FRENCH LABORATORIES	WILSON WILLIAM R D	M+A E	$ 6000	$ 6000
720459	SOCIETY OF MANUFACTURING ENGINEERS	WILSON WILLIAM R D	M+A E	$ 10000	$ 10000
720629	SPRINGFIELD PUBLIC SCHOOLS	GENTRY ATRON A	EDUC	$ 49620	$ 53920
720632	SPRINGFIELD PUBLIC SCHOOLS	GENTRY ATRON A	EDUC	$ 17500	$ 19000
730761	SPRINGFIELD PUBLIC SCHOOLS	GENTRY ATRON A	EDUC	$ 59444	$ 64200
730786	STAUFFER CHEMICAL COMPANY	DEVLIN ROBERT M	CRAN	$ 300	$ 300
720593	TOWN OF MARION	ZAHRADNIK JOHN W	M+A E	$ 4000	$ 4000
720592	TOWN OF MATTAPOISETT	ZAHRADNIK JOHN W	M+A E	$ 4000	$ 4000
730397	TOWN OF SHARON	PROCOPIO PAUL N	LD ARC	$ 5000	$ 5000
720638	TRAVENOL LABORATORIES INC	STUMBO CHARLES R	FD SCI	$ 6000	$ 6000
730167	TRI-STATE REGIONAL MEDICAL PROGRAM	AVERILL BARRY W	AD+GEN	$ 23050	$ 23050
720615	UNIROYAL INC	STEIN RICHARD S	POLRI	$ 3000	$ 3000
730439	UNIROYAL INC	STEIN RICHARD S	POLRI	$ 3000	$ 3000
720613	UNIVERSITY OF MINNESOTA	POLITELLA DARIO	ENGL	$ 4500	$ 4500
730006	W K KELLOGG FOUNDATION,	ALLEN DWIGHT W	EDUC	$ 156000	$ 156000
730514	WATER RESOURCES COMMISSION	DIGIANO FRANCIS A	C E	$ 172000	$ 172000
730512	WATER RESOURCES COMMISSION	FENG TSUAN HUA	C E	$ 59500	$ 59500
730513	WATER RESOURCES COMMISSION	KUZMINSKI LAWRENCE N	C E	$ 94000	$ 94000
730790	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	CARLSON DAVID S	ANTH	$ 2000	$ 2000
730801	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	FORMAN SYLVIA H	ANTH	$ 1800	$ 1800
730802	WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INC	MORBECK MARY E	ANTH	$ 1500	$ 1500
730508	WESTFIELD PUBLIC SCHOOLS	GORTH WILLIAM P	EDUC	$ 3000	$ 3000

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 - AMHERST CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730165	WHITMAN AND HOWARD INC	CROSS CHESTER E	CRAN	$ 630	$ 630
730589	WOMANS SEAMANS FRIEND SOCIETY OF CONNECTICUT	ZAHRADNIK JOHN W	M+A E	$ 3000	$ 3000
730800	WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION	HOOKER MICHAEL	PHIL	$ 2925	$ 2925
730799	WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION	MCKAY THOMAS	PHIL	$ 2925	$ 2925
720571	WORCESTER POLYTECHNIC INSTITUTE	SUTTON GORDON F	SOCIOL	$ 3558	$ 3558
720631	WORCESTER PUBLIC SCHOOLS	ALLEN DWIGHT W	EDUC	$ 41667	$ 45000
720630	WORCESTER PUBLIC SCHOOLS	GENTRY ATRON A	EDUC	$ 77280	$ 84000
730762	WORCESTER PUBLIC SCHOOLS	GENTRY ATRON A	EDUC	$ 143560	$ 155000
720580	WORCESTER PUBLIC SCHOOLS	ROSSMAN MARK H	EDUC	$ 30000	$ 30000
730784	XEROX CORPORATION	STEIN RICHARD S	POLRI	$ 5000	$ 5000
730783	XEROX CORPORATION	VOGL OTTO	POLRI	$ 5000	$ 5000

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 - BOSTON CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730766	ANONYMOUS GIFT	HAMILTON WILLIAM R	CHANC	$ 10000	$ 10000
730429	BOARD OF HIGHER EDUCATION	CASE JAMES A	CHANC	$ 46728	$ 46728
720627	BOARD OF HIGHER EDUCATION	GETSON JACOB	CHANC	$ 16759	$ 16759
720637	BOARD OF HIGHER EDUCATION	GETSON JACOB	CHANC	$ 16900	$ 18250
730744	BOSTON SCHOOL COMMITTEE	ANRIG GREGORY R	CHANC	$ 19810	$ 19810
730773	BOSTON SCHOOL COMMITTEE	CASE JAMES A	CHANC	$ 3650	$ 3650
730776	BOSTON SCHOOL COMMITTEE	CASE JAMES A	CHANC	$ 1675	$ 1675
730757	CARNEGIE CORPORATION OF NEW YORK	MARSHALL DOROTHY	PROV	$ 400000	$ 400000
730752	COMMITTEE OF THE PERMANENT CHARITY FUND INC	SLAVET JOSEPH	CHANC	$ 20000	$ 20000
730777	DEPARTMENT OF CORRECTION	SHUFRO STEPHEN	CHANC	$ 33000	$ 33000
730639	EXETER INTERNATIONAL CORPORATION	AYRES BARBARA	ANTH	$ 1000	$ 1000
730437	FORD FOUNDATION	ANRIG GREGORY R	CHANC	$ 380655	$ 383230
730753	MABEL LOUISE RILEY TRUST	SLAVET JOSEPH	CHANC	$ 5500	$ 5500
730628	MASSACHUSETTS BAY TRANSPORTATION ALTHORITY	GETSON JACOB	CHANC	$ 18575	$ 25000
730728	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	FOWLER JACK	P+D	$ 48216	$ 73240
730131	MAURICE FALK MEDICAL FUND	KRAMER BERNARD M	PSYCH	$ 17000	$ 17000
730708	MEDICAL RESEARCH FOUNDATION OF BOSTON INC	KRAMER BERNARD M	PSYCH	$ 1250	$ 1250
730436	PETER E STRAUSS FOUNDATION	GETSON JACOB	CHANC	$ 1500	$ 1500
730790	PETROLEUM RESEARCH FUND	ALPER JOSEPH S	CHEM	$ 2500	$ 2500

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 = WORCESTER CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730504	BOARD OF HIGHER EDUCATION	FULMER HUGH S	COMMED	$ 15500	$ 15500
730132	MASSACHUSETTS HEART ASSOCIATION	SINGER JOSHUA J	PHYSIO	$ 7450	$ 8568
730178	TRI-STATE REGIONAL MEDICAL PROGRAM	FULMER HUGH S	COMMED	$ 24894	$ 24894
730709	WORCESTER-FRANKLIN HEALTH ASSOCIATION INC	FULMER HUGH S	COMMED	$ 5000	$ 5000

CURRENT AWARDS BY NON-FEDERAL AGENCY FY 73 = ALL CAMPUS

OCR NO	AGENCY	PRINCIPAL INVESTIGATOR	DEPT	AWARDED DIRECT	TOTAL
730521	CITY OF HOLYOKE MA	EVE ARTHUR W	GOVTSV	$ 9990	$ 9990
730359	DEPARTMENT OF EDUCATION	EVE ARTHUR W	GOVTSV	$ 5000	$ 5000
730787	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	DONAHUE MAURICE A	GOVTSV	$ 59544	$ 68136
730605	EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE	EVE ARTHUR W	GOVTSV	$ 102311	$ 102311
730803	FIREFIGHTING ACADEMY	EVE ARTHUR W	GOVTSV	$ 3000	$ 3000
730806	FORD FOUNDATION	WOOD ROBERT C	PRES	$ 32500	$ 32500
730606	OFFICE OF THE COMMISSIONER OF PROBATION	DONAHUE MAURICE A	GOVTSV	$ 21265	$ 22500

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
ADERHOLD JAMES L JR	730760	FELLOWSHIP	GRADUATE FELLOWSHIP PROGRAM
ADRIAN DONALD D	720177	TRAINING	ENVIRONMENTAL HEALTH TRAINEESHIP GRANT
ADRIAN DONALD D	720411	TRAINING	ENVIRONMENTAL QUALITY ENGINEERING AND MANAGEMENT
ALLEN DWIGHT W	720631	SERVICE	CAREER OPPORTUNITIES PROGRAM
ALLEN DWIGHT W	730006	SERVICE	DEVELOPMENT OF A CLINIC TO IMPROVE UNIVERSITY TEACHING
ALLEN DWIGHT W	720586	EDUC + CURRICULUM	FLEXIBLE CURRICULUM PROJECT
ALPER JOSEPH S	730790	RESEARCH-BASIC	SHAPE AND ELECTRONIC STRUCTURE OF MOLECULES
ANDERSON DANIEL R	730070	RESEARCH-BASIC	DETERMINANTS OF PRESCHOOL CHILDRENS ATTENTION TO TELEVISION
ANRIG GREGORY R	730437	TRAINING	INSTITUTE FOR LEARNING AND TEACHING
ANRIG GREGORY R	730744	EDUC + CURRICULUM	A CITY-UNIVERSITY STAFF DEVELOPMENTAL PROGRAM
ANSELME JEAN-PIERRE L	730045	RESEARCH-BASIC	N-AZIDIMINES
APPLEY MORTIMER H	730662	INSTITUTIONAL	GRADUATE TRAINEESHIP PROGRAM
ARBIB MICHAEL A	720519	RESEARCH-BASIC	CATEGORICAL MACHINE THEORY-SYNTAX DIRECTED TRANSLATION AND CONTROL
ARBIB MICHAEL A	730389	RESEARCH-BASIC	INFORMATION PROCESSING IN THE BRAIN
ARCHER ROBERT R	720611	RESEARCH-BASIC	SOME CONTINUUM MECHANICAL MODELS FOR THE STUDY OF PLANT GROWTH
AVERILL BARRY W	730167	SERVICE	COMPREHENSIVE PREPAID HEALTH SYSTEM IN THE GREATER AMHERST AREA
AVERILL JAMES R	730387	RESEARCH-BASIC	EMOTION + EXPERIMENTAL,SEMANTIC AND SOCIOCULTURAL ANALYSES
AYRES BARBARA	730639	SERVICE	HUMAN RELATIONS AREA FILE
AYRES JOHN J B	720414	RESEARCH-BASIC	CS-US RELATIONSHIP IN THE ACQUISTION AND EXTINCTION OF FEAR
BALINTFY JOSEPH L	730092	RESEARCH-BASIC	THE MATHEMATICS OF MENU SCHEDULING
BALINTFY JOSEPH L	730570	RESEARCH-APPLIED	COMPUTERIZED FOOD MANAGEMENT INFORMATION SYSTEM
BARKER ALLEN V	720049	RESEARCH-BASIC	NITRATE AND NITRITE ACCUMULATION IN VEGETABLES
BARNES RAMON M	730788	RESEARCH-BASIC	SHORT-TIME REACTIONS OF SOLUTIONS IN HIGH VOLTAGE SPARK DISCHARGES
BEAN JOAN P	720316	RESEARCH-BASIC	LEARNING ACTIVITIES OF CHILDREN - IMPOSED AND INDUCED
BEMBEN STANLEY M	730564	RESEARCH-BASIC	EXPLORATION WITH STATIC CONE PENETROMETER IN CONN RIVER VALLEY SOILS

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
BEMBEN STANLEY M	730565	RESEARCH-BASIC	PROPERTIES OF SEDIMENTS IN SOUTHERN NEW ENGLAND ESTUARINE ENVIRONMENTS
BENNETT RUTH R	720435	EQUIPMENT	INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM
BERGER BERNARD B	720445	INSTITUTIONAL	WATER RESOURCES RESEARCH CENTER
BERGHAN KOSTIA	730398	FELLOWSHIP	NATIONAL INSTITUTE OF HEALTH FELLOWSHIP
BIRNBAUM LINDA S	730785	FELLOWSHIP	MITOCHONDRIAL RNA GENE PRODUCTS
BLACK DONALD L	730516	RESEARCH-BASIC	NEURAL ENDOCRINE CONTROL OF THE OVIDUCT
BOOTHROYD GEOFFREY	720561	EDUC + CURRICULUM	M.S. PROGRAM IN MANUFACTURING ENGINEERING
BRANDTS JOHN F	730375	RESEARCH-BASIC	FREE ENERGY OF FOLDING OF GLOBULAR PROTEINS
BROWN DONALD	720354	EDUC + CURRICULUM	UPWARD BOUND PROJECT
BROWN DONALD	730523	EDUC + CURRICULUM	UPWARD BOUND PROJECT
BROWN DONALD	730805	EDUC + CURRICULUM	UPWARD BOUND PROJECT
BURGIN RUTH W	730036	SERVICE	OPERATE A UNIVERSITY FOR ACTION
BURN BARBARA B	730362	WORKSHOP + CONFERENCE	THE INTERNATIONAL ROLE OF THE UNIVERSITY IN THE 1970S
BUTCHER REGINALD W	730087	RESEARCH-BASIC	CONTROL OF CYCLIC AMP LEVELS
BUTCHER REGINALD W	730129	INSTITUTIONAL	GENERAL RESEARCH SUPPORT GRANT
CAMERINO PAT W	720553	INSTITUTIONAL	INSTITUTIONAL GRANTS FOR SCIENCE
CAMERINO PAT W	730384	INSTITUTIONAL	BIOMEDICAL SCIENCES SUPPORT GRANT
CANALE-PAROLA ERCOLE	730157	RESEARCH-BASIC	PHYSIOLOGY AND MORPHOLOGY OF ANAEROBIC SPIROCHETES
CAREW DONALD K	730219	EDUC + CURRICULUM	MENTAL HEALTH AND HUMAN SYSTEMS DESIGN AND ADMINISTRATION
CARLSON DAVID S	730780	FELLOWSHIP	TEMPORAL VARIATION IN PREHISTORIC NUBIAN CRANIA
CARLSON DAVID S	730781	FELLOWSHIP	DANISH MARSHALL AWARD
CARLSON NEIL R	730494	RESEARCH-BASIC	NEURAL CONTROL OF MATERNAL PUP RETRIEVAL SEQUENCES
CARPINO LOUIS A	730789	RESEARCH-BASIC	OXIDIZATION + THERMAL FRAGMENTATION OF N-AMINOAZIRIDINES + COMPOUNDS
CARTER CLINT E	730124	FELLOWSHIP	NATIONAL INSTITUTES OF HEALTH FELLOWSHIP
CASE JAMES A	730429	TRAINING	BOSTON COMMUNITY SCHOOL COUNCIL LEADERSHIP TRAINING

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
CASE JAMES A	730773	TRAINING	TRAINING FOR SUPPORT TEAMS FOR CRISIS PREVENTION AND INTERVENTION
CASE JAMES A	730776	EDUC + CURRICULUM	BILINGUAL CURRICULUM DEVELOPMENT PROJECT
CHIEN JAMES C W	720465	RESEARCH-BASIC	CATALYSTS FOR STEREOSPECIFIC POLYMERIZATION OF ALPHA OLEFINS
CHIEN JAMES C W	730082	RESEARCH-BASIC	AUTOXIDATION OF POLYMERS-MEASUREMENTS OF INDIVIDUAL RATE CONSTANTS
CHIEN JAMES C W	730123	RESEARCH-BASIC	METAL AND LIGAND BINDINGS IN HEMOPROTEINS AND YEAST ENOLASE
CHIEN JAMES C W	730604	RESEARCH-BASIC	A PHYSIOCHEMICAL STUDY OF COLLAGEN STRUCTURES
CHLAPOWSKI FRANCIS J	730626	RESEARCH-BASIC	THE ORIGIN AND SPECIALIZATION OF MEMBRANES
CHRISTENSEN ROBERT L	730738	RESEARCH-BASIC	ALTERNATIVE POULTRY PRODUCTION-MARKETING WASTE MANAGEMENT SYSTEMS
CHRISTENSEN ROBERT L	730764	RESEARCH-BASIC	POULTRY PRODUCTION-MARKETING WASTE MANAGEMENT SYSTEMS
CLARK SAM L JR	730291	RESEARCH-BASIC	NEONATAL ADAPTATION AND IMMUNOLOGICAL MATURATION
CLIFTON CHARLES E JR	720297	RESEARCH-BASIC	DECODING INFORMATION FROM MEMORY
CLIFTON CHARLES E JR	720212	TRAINING	GRADUATE TRAINING IN EXPERIMENTAL PSYCHOLOGY
CLIFTON RACHEL K	730388	RESEARCH-BASIC	CLASSICAL CONDITIONING OF HEART RATE IN HUMAN INFANTS
COLONELL JOSEPH M	720284	RESEARCH-BASIC	INTERDISCIPLINARY RESEARCH ON DEEP SUBMERGENCE VEHICLE ENGINEERING
COX CHARLES D	720285	RESEARCH-BASIC	CULTIVATION OF VIRULENT TREPONEMA PALLIDUM
COX CHARLES D	720093	TRAINING	TRAINING PROGRAM IN MICROBIOLOGY
COX CHARLES D	720395	SERVICE	RAPID STREPTOCOCCAL IDENTIFICATION LABORATORY
CROSS CHESTER E	730165	RESEARCH-BASIC	WATER QUALITY RESEARCH FUND
CROSS CHESTER E	730062	RESEARCH-APPLIED	TRANSLOCATION + METABOLISM OF SAN-6706 + SAN-9789-VACCINUM MACROCARPON
CROSS CHESTER E	730774	RESEARCH-APPLIED	EFFECTIVE ESS OF KOCIDE FUNGICIDES TO CONTROL CRANBERRY FRUIT ROT
CROSSLEY F R ERSKINE	720612	RESEARCH-APPLIED	DESIGN AND FABRICATION OF A GENERAL PURPOSE ADVANCED END-EFFECTOR
DANIELS MARYANN	730794	TRAINING	CRISIS PREVENTION AND INTERVENTION
DARITY WILLIAM A	720174	TRAINING	GRADUATE TRAINING IN COMMUNITY HEALTH EDUCATION
DENT WILLIAM A	730048	RESEARCH-BASIC	MEASUREMENTS OF THE TIME VARIABILITY OF EXTRAGALACTIC RADIO SOURCES
DEVLIN ROBERT M	730786	RESEARCH-APPLIED	EFFICIENCY OF CERTAIN HERBICIDES AS WEED-KILLERS IN CRANBERRIES

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
DIGIANO FRANCIS A	730514	RESEARCH-BASIC	INVESTIGATIONS OF PHOSPHOROUS AND NITROGEN CONTROL STRATEGIES
DIXON JOHN R	730775	EDUC + CURRICULUM	GRADUATE EDUCATION AND RESEARCH
DODGE WENDELL E	730088	RESEARCH-BASIC	BIOLOGY OF THE FISHER IN THE WHITE MOUNTAIN NATIONAL FOREST
DONAHUE MAURICE A	730606	SERVICE	ASSESSMENT AND ACCREDITATION OF PROBATION OFFICERS-PHASE 4
DONAHUE MAURICE A	730787	SERVICE	PROGRAM FOR INTERGOVERNMENTAL LEADERSHIP AT THE LOCAL LEVEL
DOUGLAS JAMES M	730506	RESEARCH-BASIC	PERIODIC OPERATION OF CHEMICAL PROCESSES
DUBY ROBERT T	720563	RESEARCH-BASIC	UTERINE EXTRACTS AND SYMPATHECTOMY-CORPUS LUTEUM FUNCTION + FERTILITY
DYE LARRY L	720424	SERVICE	ADVOCATES FOR THE DEVELOPMENT FOR HUMAN POTENTIAL
EARLES VIRGINIA L	720332	TRAINING	PROFESSIONAL NURSE TRAINEESHIP PROGRAM + LONG TERM
EDINGTON DEE W	730296	SERVICE	MUSCLE BIOCHEMISTRY LAB
EHRENBERG RONALD G	730003	RESEARCH-BASIC	ECONOMIC ANALYSIS OF MUNICIPAL GOVERNMENT EMPLOYMENT AND WAGES
ENGELSBERG STANLEY	720367	RESEARCH-BASIC	EQUILIBRIUM AND TRANSPORT PROPERTIES IN MANY BODY SYSTEMS
EPSTEIN SEYMOUR	720046	RESEARCH-BASIC	THE MEASUREMENT OF DRIVE AND CONFLICT
ERTEL KENNETH A	730592	WORKSHOP + CONFERENCE	AN IN-SERVICE SUMMER WORKSHOP IN OFFICE OCCUPATIONS
ERTEL KENNETH A	720340	TRAINING	CONTINUATION OF THE UMASS LEADERSHIP PROJECT - OCCUPATIONAL EDUCATION
ERTEL KENNETH A	730426	TRAINING	DISTRIBUTIVE-EDUCATION - TEACHER TRAINING CURRICULUM
ERTEL KENNETH A	730427	TRAINING	DISTRIBUTIVE EDUCATION - STUDENT TRAINING CURRICULUM
ERTEL KENNETH A	730778	TRAINING	ANALYSIS OF PROPOSAL WRITERS AND NON-PROPOSAL WRITERS
ERTEL KENNETH A	730779	TRAINING	PROFESSIONAL DEVELOPMENT IN OCCUPATIONAL EDUCATION
ERTEL KENNETH A	730028	SERVICE	PROJECT JESI-U MASS AMHERST
ERTEL KENNETH A	720337	EDUC + CURRICULUM	UMASS AGRICULTURAL + DISTRIBUTIVE TEACHER EDUCATION + RELATED SERVICES
EVANS DAVID R	730076	EDUC + CURRICULUM	NON-FORMAL EDUCATION IN ECUADOR
EVANS DAVID R	730374	EDUC + CURRICULUM	NON-FORMAL EDUCATION IN ECUADOR
EVE ARTHUR W	730605	TRAINING	MUNICIPAL TRAINING PROGRAM
EVE ARTHUR W	730359	SERVICE	EDUCATIONAL NEEDS OF PUERTO RICAN FARMWORKER CHILDREN IN MASSACHUSETTS

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
EVE ARTHUR W	730521	SERVICE	COMPREHENSIVE MANAGEMENT AND BUDGETING PROCESS ANALYTICAL STUDY
EVE ARTHUR W	730803	EDUC + CURRICULUM	DEVELOPMENT OF CURRICULUM FOR SPANISH SPEAKING FIREMEN
FABOS JULIUS GY	720165	RESEARCH-BASIC	INTEGRATION OF WATER AND RELATED LAND VALUES-METROPOLITAN MODELS
FABOS JULIUS GY	730434	RESEARCH-APPLIED	DEVELOPMENT OF WATER + RELATED LAND RESOURCES IN SOUTHERN NEW ENGLAND
FAIRBAIRN DONALD	730033	RESEARCH-BASIC	BIOCHEMICAL ADAPTATIONS IN HELMINTH PARASITES
FAIRBAIRN DONALD	720265	TRAINING	TRAINING PROGRAM IN PARASITOLOGY AND MEDICAL ENTOMOLOGY
FAY FREDERIC S	730274	RESEARCH-BASIC	GENERATION AND REGULATION OF FORCE IN SMOOTH MUSCLE
FEDER WILLIAM A	730038	RESEARCH-APPLIED	CHRONIC EFFECTS OF LOW LEVELS OF AIR POLLUTANTS ON PLANTS IN NORTHEAST
FELLER SIEGFRIED	730467	INSTITUTIONAL	COLLEGE LIBRARY RESOURCES PROGRAM
FENG TSUAN HUA	730512	RESEARCH-BASIC	ASPECTS OF SLUDGE HANDLING AND DISPOSAL
FENNER HEINRICH	730502	SERVICE	RECRUITMENT OF PEACE CORPS VOLUNTEERS FOR THE IVORY COAST
FERGUSON MARYANNE	730046	EDUC + CURRICULUM	PLANNING GRANT FOR A PROGRAM OF WOMENS STUDIES
FLATT JEAN-PIERRE	730599	RESEARCH-BASIC	FAT MOBILIZATION AND PROTEIN SPARING THERAPY
FLIGHT DAVID S	720536	TRAINING	EXECUTIVE LEADERSHIP PROGRAM
FORMAN GEORGE E	730408	RESEARCH-BASIC	EARLY LOGICAL THOUGHT - ORIGINS IN PATTERNS OF ACTION
FORMAN SYLVIA H	730801	WORKSHOP + CONFERENCE	CONFERENCE ON COMPARATIVE ETHNOGRAPHY AND LAW
FOSTER JOHN H	720179	RESEARCH-BASIC	ECONOMICS AND LEGAL ANALYSIS OF ALTERNATIVE FLOOD CONTROL STRATEGIES
FOURNIER MAURILLE J JR	730525	RESEARCH-BASIC	BIOSYNTHESIS OF TRANSFER RIBONUCLEIC ACID
FOWLER JACK	730728	SERVICE	SCHOOL ATTITUDE STUDY
FRANKS LEWIS E	720410	RESEARCH-BASIC	OPTIMUM FILTERING OF CYCLOSTATIONARY PROCESSES
FULMER HUGH S	730178	SERVICE	DEVELOPMENT OF A HEALTH MAINTENANCE ORGANIZATION IN WORCESTER
FULMER HUGH S	730504	SERVICE	HUMAN WELL-BEING CLUSTER COMMITTEE
FULMER HUGH S	730709	SERVICE	HEALTH EDUCATION PROGRAM ON CIGARETTE SMOKING
GALE BRADLEY T	720624	RESEARCH-BASIC	RISK, PROFITABILITY AND MARKET STRUCTURE-SUMMER RESEARCH
GALINAT WALTON C	730101	RESEARCH-BASIC	RESEARCH ON COMPARATIVE CYTOLOGY OF MAIZE TEOSINTE

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
GATSLICK HAROLD B	730529	RESEARCH-APPLIED	THE WEATHEROMETER DURABILITY OF STAIN SYSTEMS ON SOLID WOOD SPECIMENS
GAWIENOWSKI ANTHONY M	730406	RESEARCH-BASIC	CAROTENOID METABOLISM OF CORPUS LUTEUM
GAWIENOWSKI ANTHONY M	730557	RESEARCH-BASIC	ISOLATION AND IDENTIFICATION OF RAT PHERMONES, PHASE II
GENTILE ADRIAN G	730608	RESEARCH-APPLIED	CONTROL OF LEPIDOPEROUS PESTS OF CABBAGE AND SWEET CORN
GENTILE ADRIAN G	730724	RESEARCH-APPLIED	EVALUATION OF SHELL EXPERIMENTAL MATERIALS
GENTILE ADRIAN G	730733	RESEARCH-APPLIED	INSECT CONTROLLING CHEMICALS
GENTRY ATRON A	720629	SERVICE	CAREER OPPORTUNITIES PROGRAM
GENTRY ATRON A	720630	SERVICE	CAREER OPPORTUNITIES PROGRAM
GENTRY ATRON A	720632	SERVICE	CAREER OPPORTUNITIES PROGRAM
GENTRY ATRON A	730023	SERVICE	CAREER OPPORTUNITIES PROGRAM
GENTRY ATRON A	730761	SERVICE	CAREER OPPORTUNITIES PROGRAM
GENTRY ATRON A	730762	SERVICE	CAREER OPPORTUNITIES PROGRAM
GERACE WILLIAM J	730248	RESEARCH-BASIC	THEORETICAL PROBLEMS IN NUCLEAR REACTIONS AND STRUCTURE
GETSON JACOB	720637	WORKSHOP + CONFERENCE	SEMINARS + MATERIAL DEVELOPMENT FOR POLICY MAKERS + OPERATING MANAGERS
GETSON JACOB	720627	TRAINING	TRAINING PROGRAM FOR A COLLEGE OF PUBLIC AND COMMUNITY SERVICE
GETSON JACOB	730436	TRAINING	LEADERSHIP TRAINING INSTITUTE
GETSON JACOB	730628	SERVICE	LOCAL MOBILITY STUDY PROGRAM
GETSON JACOB	730393	INSTITUTIONAL	INSTITUTIONAL GRANTS FOR SCIENCE
GIBSON WALKER	730283	RESEARCH-BASIC	WRITING AND READING IN THE FIRST COLLEGE YEARS
GIGLIO RICHARD J	720554	RESEARCH-BASIC	SYNTHESIS OF OPTIMAL INVESTMENT SCHEDULES FOR POWER GENERATION
GILARDE THOMAS J	730795	TRAINING	CRISIS PREVENTION AND INTERVENTION
GINSBERG EDWARD S	730432	RESEARCH-BASIC	ELEMENTARY PARTICLES + FIELDS - WEAK + ELECTROMAGNETIC INTERACTIONS
GODFREY PAUL J	730755	RESEARCH-BASIC	ECOLOGICAL CHANGES DUE TO WATER WITHDRAWAL IN CAPE COD NATIONAL SHORE
GODFREY PAUL J	730630	RESEARCH-APPLIED	RESPONSE OF BARRIER ISLAND VEGETATION TO OCEANIC OVERWASH
GOLANN STUART E	730022	SERVICE	MENTAL HEALTH SERVICE, TRAINING AND RESEARCH

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
GOLANN STUART E	730134	SERVICE	RIGHT TO TREATMENT - COURT-SET STANDARDS OF SERVICE
GOLDENBERG H MARK	720380	RESEARCH-BASIC	MEASUREMENT OF THE SOLAR OBLATENESS
GOODMAN H MAURICE	720642	RESEARCH-BASIC	GROWTH HORMONE ACTION ON FAT METABOLISM
GOODMAN LILLIAN R	720446	INSTITUTIONAL	NURSING CAPITATION GRANT PROGRAM
GOODMAN LILLIAN R	720447	INSTITUTIONAL	NURSING CAPITATION GRANT PROGRAM
GORTH WILLIAM P	730424	RESEARCH-BASIC	PLANNING AND EVALUATION OF THE REEVINGTON MATHEMATICS CURRICULUM
GORTH WILLIAM P	730612	SERVICE	EDUCATIONAL EVALUATION ON THE LOCAL SCHOOL LEVEL
GORTH WILLIAM P	730646	SERVICE	BOOKLET-REPORT OF LOCAL EDUCATIONAL AGENCIES ON EDUCATIONAL GOALS
GORTH WILLIAM P	730508	EDUC * CURRICULUM	SYSTEM FOR PROGRAM EVALUATION AND DEVELOPMENT
GREEN DAN S	720625	FELLOWSHIP	SOCIOLOGY OF W E B DUBOIS
GREENBAUM LOUIS S	730483	RESEARCH-BASIC	JACQUES TENON AND HOSPITAL REFORM IN 18TH CENTURY FRANCE
GREENE PETER H	730199	RESEARCH-BASIC	HIERARCHICAL HYBRID CONTROL SYSTEMS
GREENFIELD GERALD	730144	SERVICE	COLLEGE PREP PROGRAM FOR VETERANS
GREENFIELD GERALD	720618	EDUC * CURRICULUM	UPWARD BOUND PROJECT
GREENFIELD GERALD	730715	EDUC * CURRICULUM	COLLEGE PREPARATORY PROGRAM
GRIGG PETER	730541	RESEARCH-BASIC	SEGMENTAL REFLEXES MEDIATED BY JOINT AFFERENT NEURONS
GUNEY SEMA	720635	FELLOWSHIP	QUALITATIVE + QUANTITATIVE NATURE OF THE LIPIDS OF THE MIRACLE FRUIT
HAGGERTY STEPHEN E	730140	RESEARCH-BASIC	OPAQUE MINERALS IN LUNAR SAMPLES
HALITSKY JAMES	720436	TRAINING	AIR POLLUTION CONTROL TRAINING PROGRAM
HALLOCK ROBERT B	730133	RESEARCH-BASIC	X-RAY SCATTERING FROM QUANTUM FIELDS
HALLOCK ROBERT B	720462	FELLOWSHIP	STUDIES ON THE FLOW OF LIQUID HELIUM
HALVORSON HERBERT R	730024	FELLOWSHIP	FOURIER TRANSFORM C-13 NMR SPECTROSCOPY OF PROTEINS
HAMILTON WILLIAM R	730759	INSTITUTIONAL	VETERANS COST OF INSTRUCTION PAYMENTS PROGRAM
HAMILTON WILLIAM R	730766	INSTITUTIONAL	UMB STUDENT SCHOLARSHIPS
HAMILTON WILLIAM R	730782	INSTITUTIONAL	COLLEGE LIBRARY RESOURCES PROGRAM

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
HANDY WALTER A	730402	FELLOWSHIP	GRANT-IN-AID OF RESEARCH
HANKE LEWIS U	720527	RESEARCH-BASIC	HISTORY OF SPANISH VICEROYS IN AMERICA DURING 16TH AND 17TH CENTURIES
HARTSHORN JOSEPH H	730155	RESEARCH-BASIC	MARINER PHOTOGRAPHY OF MARS
HASHIMOTO KAZUHIKO	730435	FELLOWSHIP	NASA INTERNATIONAL UNIVERSITY PROGRAM
HAYES MILES O	730517	RESEARCH-BASIC	ESTUARINE SEDIMENTATION AND GLACIAL PLAIN SHORELINE STUDIES
HERONEMUS WILLIAM E	730108	RESEARCH-BASIC	OCEAN-SITED POWER PLANTS
HITCHO PAUL J	720633	FELLOWSHIP	POSTDOCTORAL FELLOWSHIP
HITTELMAN KARL J	730184	RESEARCH-BASIC	CYCLIC AMP METABOLISM IN HAMSTER BROWN AND WHITE FAT
HOADLEY R BRUCE	730139	RESEARCH-APPLIED	RELIEF OF SWELLING STRESSES IN WOOD-TO-WOOD JOINTS
HOFFMAN ALLAN R	730455	RESEARCH-BASIC	ULTRASONIC ATTENUATION STUDIES OF THE ELECTRONIC STRUCTURES OF METALS
HOLT STANLEY C	730627	RESEARCH-BASIC	MYCOBACTERIA STUDIES
HOLT STANLEY C	730115	FELLOWSHIP	ANAEROBIC MICROBIOTA OF THE HUMAN ORAL CAVITY
HONEYMAN THOMAS H	730607	FELLOWSHIP	NIH FELLOWSHIP
HONIGBERG BRONISLAW M	730520	RESEARCH-BASIC	PATHOGENICITY IN TRICHOMONADS AND OTHER FLAGELLATES
HOOKER MICHAEL	730800	FELLOWSHIP	COGITO ERGO SUM ET SUM RES COGITANS-CARTESIAN EPISTEMOLOGY METAPHYSICS
HOROWITZ JOSEPH	730180	RESEARCH-BASIC	TIME-CONDITIONING OF RANDOM PROCESSES
HORVAY GABRIEL	730161	RESEARCH-APPLIED	NATURAL FREQUENCY OF A FINITE CYLINDRICAL SHELL
HOURIHAN JOHN J	730400	FELLOWSHIP	POLITICAL RESOURCES AND THE PROCESSES OF CHANGE
HOWARDS IRVING	720606	RESEARCH-BASIC	ANALYSIS OF THE 1970 PUBLIC USE SAMPLE AND DISABILITY
HOWE GEORGE P	730051	RESEARCH-BASIC	PARASYMPATHETIC CONTROL OF OVIDUCT CONTRACTIBILITY
HUGUENIN G RICHARD	720450	RESEARCH-BASIC	RESEARCH PROGRAM IN SOLAR PHYSICS
HUGUENIN G RICHARD	730116	RESEARCH-BASIC	METER-WAVE RADIO ASTRONOMY PROGRAM
HULTIN HERBERT O	720426	RESEARCH-BASIC	STUDIES OF A CATALYTIC REACTOR
HUTCHINSON CHARLES E	720328	RESEARCH-BASIC	SUB-OPTIMUM KALMAN FILTERS AND APPROXIMATE NON-LINEAR FILTERS
IRVINE WILLIAM M	720401	RESEARCH-BASIC	DIFFUSE REFLECTION OF RADIATION IN PLANETARY ATMOSPHERE

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
IRVINE WILLIAM M	720498	RESEARCH-BASIC	RADIATIVE TRANSFER IN ASTROPHYSICAL SITUATIONS
IRVINE WILLIAM M	720370	EQUIPMENT	INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM
JEZEK PETER A	730652	FELLOWSHIP	GRANT-IN-AID-OF-RESEARCH
JOHNSON JAMES E	730160	RESEARCH-BASIC	BIOLOGICAL ASSESSMENT OF THE ALEWIFE PORLLATION-PARKER RIVER-MASS
JOHNSON LAWRENCE A	720145	EDUC + CURRICULUM	PROGRAM ABLE
JORDAN DANIEL C	730175	TRAINING	IMPLEMENTATION OF THE TEACHER PREPARATION PROGRAM BASED ON ANISA MODEL
JORDAN DANIEL C	730736	TRAINING	ANISA MODEL-IN SERVICE TRAINING IN HUMAN POTENTIAL
KARASZ FRANK E	730531	RESEARCH-BASIC	STUDIES OF THE CONFORMATIONAL TRANSITION IN BIOPOLYMERS
KARASZ FRANK E	720439	INSTITUTIONAL	MATERIALS RESEARCH LABORATORY
KAYNOR EDWARD R	720269	RESEARCH-BASIC	DETERMINATION OF DECISION-MAKING PROCESSES IN WATER RESOURCE PLANNING
KEYSER SAMUEL JAY	720594	RESEARCH-BASIC	INVESTIGATION INTO UNIVERSAL GRAMMAR
KIHLSTROM RICHARD E	730084	RESEARCH-BASIC	STUDIES IN THE ECONOMICS OF UNCERTAINTY
KIRCHHOFF ROBERT H	730138	EDUC + CURRICULUM	UNDERGRADUATE RESEARCH PARTICIPATION
KOHLER WALTER H	730237	RESEARCH-BASIC	CHARACTERIZATION AND COMPARISON OF BRANCH-AND-BOUND-ALGORITHMS
KONICEK RICHARD D	730147	WORKSHOP + CONFERENCE	CONFERENCE FOR URBAN SCHOOL DECISION MAKERS
KORSON J HENRY	720379	RESEARCH-BASIC	THE WIDOWED WHO LIVE WITH OTHERS - SOME SOCIAL AND DEMOGRAPHIC FACTORS
KOS PETER	720531	FELLOWSHIP	WATER POLLUTION CONTROL
KRAMER BERNARD M	730131	RESEARCH-BASIC	THE NATURE OF PREJUDICE
KRAMER BERNARD M	730708	RESEARCH-APPLIED	COMMUNITY AND NEIGHBORHOOD HEALTH CENTERS-AN ANNOTATED GUIDE
KRASNOW MICHAEL A	730404	FELLOWSHIP	GRANT-IN-AID OF RESEARCH
KREISLER MICHAEL N	730016	RESEARCH-BASIC	HIGH ENERGY PHYSICS-SPARK CHAMBER PROGRAM
KREPLICK RUTH	730746	SERVICE	RESEARCH AND TRAINING IN LAND USE
KUZMINSKI LAWRENCE N	730513	RESEARCH-BASIC	IMPACT OF HEAVY METALS ON THE AQUATIC BIOTA OF MASSACHUSETTS WATERS
LAFRANCE RONALD C	730660	SERVICE	COMMUNITY ORIENTED DRUG EDUCATION PROGRAM - ROOM TO MOVE
LAUFER DANIEL A	720294	RESEARCH-BASIC	SYNTHESIS AND CONFORMATION OF CYCLIC TETRAPEPTIDES

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
LEDGARD HENRY F	730562	RESEARCH-BASIC	MEASUREMENT OF SOFTWARE QUALITY
LEE JOHN A N	730468	RESEARCH-BASIC	DEVELOPMENT OF A BASIC LANGUAGE STANDARD
LENZ ROBERT W	730245	RESEARCH-BASIC	NEW POLYESTERS FROM BETA-LACTONES
LESSIE THOMAS G	730634	RESEARCH-BASIC	ALLOSTERIC MECHANISMS IN PSEUDOMONAS CATABOLISM
LEVIN BRUCE R	720308	RESEARCH-BASIC	PROTEIN VARIATION AND SELECTION MECHANISMS IN E COLI
LEVIN ROBERT E	720058	RESEARCH-BASIC	STUDIES OF FISH SPOILAGE AND RELATED BACTERIA
LILLYA C PETER	720405	RESEARCH-BASIC	ORGANOTRANSITION METAL CHEMISTRY
LITSKY WARREN	730392	RESEARCH-BASIC	MICROBIOLOGICAL STUDIES OF NATURAL PRODUCTS AS ANTIMICROBIAL AGENTS
LITSKY WARREN	730732	RESEARCH-BASIC	DEVELOPMENT OF MICROBIAL COLONIES
LIU TENG-SUN	720100	RESEARCH-BASIC	GROUP ALGEBRA MODULES
LOUTTIT RICHARD T	730078	INSTITUTIONAL	CHILD RESEARCH FACILITY
MACCONNELL WILLIAM P	730021	RESEARCH-BASIC	LAND USE PATTERNS-CHANGE IN AREAS ADJACENT TO LYNN WOODS-ESSEX COUNTY
MACCONNELL WILLIAM P	730270	RESEARCH-BASIC	REMOTE SENSING RHODE ISLAND
MACCONNELL WILLIAM P	730503	RESEARCH-BASIC	LAND USE IN THE MERRIMAC RIVER BASIN
MACCONNELL WILLIAM P	730739	RESEARCH-BASIC	FOREST AND ASSOCIATED LAND CHANGES AFFECTING WILDLIFE HABITAT QUALITY
MACKNIGHT WILLIAM J	720039	RESEARCH-BASIC	STERIC CONFIGURATIONS + BULK PROPERTIES - VINYL + VINYLIDING POLYMERS
MACKNIGHT WILLIAM J	730486	RESEARCH-BASIC	MICROPHASE SEPARATION IN SOLID ORGANIC POLYMERS CONTAINING SALT GROUPS
MANN LARRY N	730127	RESEARCH-BASIC	DIFFERENTIABLE TRANSFORMATION GROUPS
MARCUS JOSEPH S	720306	WORKSHOP + CONFERENCE	WORKSHOP ON ENVIRONMENTAL COSTS-BENEFITS OF NUCLEAR ELECTRICAL POWER
MARCUS JOSEPH S	730013	WORKSHOP + CONFERENCE	JUNIOR SCIENCE AND HUMANITIES SYMPOSIUM
MARRA ALAN A	730723	RESEARCH-APPLIED	WASTE WOOD UTILIZATION
MARSHALL DOROTHY	730757	EDUC + CURRICULUM	CAREER DEVELOPMENT OF WOMEN STUDENTS
MARTIN JAMES	730758	INSTITUTIONAL	VETERANS COST OF INSTRUCTION PAYMENTS PROGRAM
MARTINDALE WALLACE S	730198	RESEARCH-BASIC	RINGS WITHOUT FINITE CONDITIONS
MAWSON JOSEPH C	730765	RESEARCH-APPLIED	AN INVENTORY SYSTEM FOR IN-CITY VEGETATION

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
MAY THOMAS	720529	FELLOWSHIP	DEVELOPMENT OF INFORMATION SYSTEM FOR GRINDING WHEEL PRODUCTS
MCAVOY THOMAS J	720412	RESEARCH-BASIC	APPLIED PROCESS CONTROL
MCCOY RHODY A	730524	SERVICE	COMMITTEE FOR THE COLLEGIATE EDUCATION OF BLACK STUDENTS
MCCOY RHODY A	730725	SERVICE	SUMMER EDUCATIONAL AND CULTURAL PROGRAM FOR UNDERPRIVILEGED CHILDREN
MCCOY RHODY A	730726	SERVICE	SUMMER EDUCATIONAL AND CULTURAL PROGRAM FOR UNDERPRIVILEGED CHILDREN
MCCOY RHODY A	730727	SERVICE	SUMMER EDUCATIONAL AND CULTURAL PROGRAM FOR UNDERPRIVILEGED CHILDREN
MCCOY RHODY A	730772	SERVICE	MASSACHUSETTS DOMESTIC ACTION PROGRAM
MCEWEN WILLIAM E	720360	RESEARCH-BASIC	STUDIES IN HETERCATOM CHEMISTRY
MCGILL GEORGE E	730164	RESEARCH-BASIC	ORIGIN AND DEGRADATION OF MARTIAN CRATERS
MCINTOSH ROBERT E	730001	RESEARCH-BASIC	SPECTROSCOPIC INVESTIGATION OF GASEOUS PLASMAS
MCINTOSH ROBERT E	730220	EQUIPMENT	LABORATORY EQUIPMENT FOR WAVE PROPAGATION RESEARCH
MCKAY THOMAS	730799	FELLOWSHIP	INTERPRETING FORMAL LANGUAGE-COMMITMENTS OF QUANTIFIED MODEL LOGIC
MENGE BRUCE A	720440	RESEARCH-BASIC	ROLE OF BIOLOGICAL INTERACTIONS AND ENVIRONMENTAL PREDICTABILITY
MILLER BERNARD	730423	RESEARCH-BASIC	BLOCKED AROMATIC MOLECULES
MONOPOLI RICHARD V	720573	RESEARCH-BASIC	RESEARCH IN ADAPTIVE CONTROL SYSTEMS
MOORE JOHN W	710092	RESEARCH-BASIC	MECHANISMS OF STIMULUS CONTROL IN CLASSICAL CONDITIONING
MOORE JOHN W	730060	RESEARCH-BASIC	MECHANISMS OF INHIBITORY CONTROL IN CLASSICAL CONDITIONING
MORBECK MARY E	730802	RESEARCH-BASIC	CONTEMPORARY PRIMATE LOCOMOTOR BEHAVIOR-MIOCENE HOMINOIDEA LIMB BONES
MORSE STEARNS A	720532	RESEARCH-BASIC	ANATOMY OF CHEMICAL FRACTIONATION IN PLUTONIC BASIC MAGMA
MORSE STEARNS A	730153	TRAINING	UNDERGRADUATE RESEARCH PARTICIPATION
MORTLOCK ROBERT P	720501	RESEARCH-BASIC	THE EVOLUTION OF ENZYMATIC ACTIVITIES
MOUNT MARK S	730114	RESEARCH-BASIC	INVOLVEMENT OF BACTERIAL RNA POLYMERASE IN CROWN GALL
MOUSTAFA A TAHER	720175	TRAINING	GRADUATE TRAINING IN HEALTH SERVICES ADMINISTRATION
MUNN NANCY D	730193	RESEARCH-BASIC	SOCIOCULTURAL SYMBOLISM IN A MASSIM SOCIETY
NAEGELE JOHN A	730103	RESEARCH-APPLIED	THE EFFECTIVENESS OF CERTAIN SHELL PRODUCTS

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
NAEGELE JOHN A	730741	RESEARCH-APPLIED	PLANT SPECIES RESPONSE TO SD 8339
NAEGELE JOHN A	730743	RESEARCH-APPLIED	EFFECTIVENESS OF ORTHENE INSECTICIDE ON VARIOUS VEGETABLE CROPS
NASH WILLIAM A	720028	RESEARCH-BASIC	RESPONSE OF STRUCTURES TO RANDOM NOISE
NASH WILLIAM A	730007	RESEARCH-BASIC	RESPONSE OF GROUND-SUPPORTED STORAGE TANKS TO SEISMIC EXCITATION
NASH WILLIAM A	720369	EQUIPMENT	INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM
NAWAR WASSEF W	730102	RESEARCH-BASIC	MECHANISMS FOR THE FORMATION OF RADIOLYTIC COMPOUNDS FROM LIPIDS
NOBER E HARRIS	720430	TRAINING	TRAINING PROGRAM IN AUDIOLOGY AND SPEECH PATHOLOGY
NORDIN JOHN H	720025	RESEARCH-BASIC	BIOCHEMISTRY OF INSECT HIBERNATION
NORKIN LEONARD C	730229	RESEARCH-BASIC	HOST RANGE MUTANTS OF SIMIAN VIRUS 40
NORKIN LEONARD C	720375	EQUIPMENT	INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM
NOYES JOHN H	730064	RESEARCH-APPLIED	BERKSHIRE-FRANKLIN RESOURCE CONSERVATION AND DEVELOPMENT PROJECT
OLLEY JOHN G	730629	SERVICE	PRESCHOOL INTERVENTION SERVICES
OYEWOLE GORDON G	730162	EQUIPMENT	IMPROVEMENT OF NONCOMMERCIAL EDUCATIONAL RADIO STATION-WFCR-FM
PENCHINA CLAUDE M	720255	RESEARCH-BASIC	OPTICAL PROPERTIES OF SEMICONDUCTORS AND INSULATORS IN ELECTRIC FIELDS
PERKINS HAROLD W	730030	SERVICE	CIVIL DEFENSE TRAINING PROGRAM
PETERS HOWARD A	720176	TRAINING	ENVIRONMENTAL HEALTH TRAINEESHIP GRANT
PETERSON GERALD A	720311	RESEARCH-BASIC	NUCLEAR STRUCTURE STUDIES BY THE SCATTERING OF HIGH ENERGY ELECTRONS
PETERSON GERALD A	730561	RESEARCH-BASIC	NUCLEAR STRUCTURE STUDIED BY THE SCATTERING OF HIGH ENERGY ELECTRONS
PETRUNENKO CONSTANCE	730182	SERVICE	NURSING LABORATORY TO INCREASE LEARNING EXPERIENCE FOR STUDENTS
PIEDMONT EUGENE R	720443	INSTITUTIONAL	GRADUATE TRAINEESHIP PROGRAM
PIEDMONT EUGENE R	730603	INSTITUTIONAL	NDEA TITLE 4 GRADUATE FELLOWSHIP PROGRAM
POLITELLA DARIO	720613	FELLOWSHIP	RESEARCH AND DEVELOPMENT FELLOWSHIP
PORTER ROGER S	720220	RESEARCH-BASIC	THE IMPORTANCE OF PRESSURE ON THE RHEOLOGY OF AMORPHOUS POLYMERS
PORTER ROGER S	730315	RESEARCH-BASIC	STRUCTURE + RESPONSE OF POLYMERS TO STRESS AND DEFORMATION CONDITIONS
PRICE FRASER D	[illegible]	RESEARCH-BASIC	TRANSFORMATION KINETICS IN RESOURCES

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
PRICE FRASER P	730574	RESEARCH-BASIC	CRYSTALLIZATION OF POLYMERS UNDER EXTREME CONDITIONS
PROCOPIO PAUL N	730397	RESEARCH-BASIC	SITE MASTER PLANNING FOR UNDEVELOPED LAND
PROCOPIO PAUL N	730475	SERVICE	NEW ENGLAND REGIONAL FIELD SERVICE PROGRAM
RAGLE JOHN L	730326	EQUIPMENT	INSTRUCTIONAL SCIENTIFIC EQUIPMENT PROGRAM
RAUCH HAROLD	730410	RESEARCH-BASIC	DILUTE-LETHAL AND OTHER NEUROMUSCULAR MUTANTS IN MICE
RAUSCH MARVIN D	720219	RESEARCH-BASIC	NEW AROMATIC ORGANOMETALLIC COMPOUNDS AND RELATED STUDIES
RAUSCH MARVIN D	720570	RESEARCH-BASIC	ORGANOTRANSITION METAL AND METALLOCYCLE CHEMISTRY
RAUSCH MARVIN D	730010	WORKSHOP + CONFERENCE	SIXTH INTERNATIONAL CONFERENCE ON ORGANOMETALLIC CHEMISTRY
RAUSCH MARVIN D	730011	WORKSHOP + CONFERENCE	SIXTH INTERNATIONAL CONFERENCE ON ORGANOMETALLIC CHEMISTRY
RAUSH HAROLD L	720243	TRAINING	CLINICAL PSYCHOLOGY TRAINING PROGRAM
REED GEORGE	730117	WORKSHOP + CONFERENCE	PRINCIPLES OF HEALTH AGENCY ADMINISTRATION PLANNING + EVALUATION
REED ROGER J	730510	RESEARCH-BASIC	ANADROMOUS FISHERY RESEARCH
REED ROGER J	730673	RESEARCH-BASIC	ECOLOGICAL SURVEY OF THE WEST BRANCH WESTFIELD RIVER WATERSHED
REINER ALBEY M	730371	RESEARCH-BASIC	METABOLISM OF HEAVY METAL CATIONS BY E COLI
RICE WILLIAM M	730501	RESEARCH-BASIC	SOIL SAMPLE STUDY
RISEMAN EDWARD M	730149	RESEARCH-BASIC	FEATURE SELECTION AND CONTEXTUAL ANALYSIS IN PATTERN RECOGNITION
RISING EDWARD J	730289	RESEARCH-BASIC	DESIGN AN EVALUATION METHODOLOGY FOR OUTPATIENT SYSTEMS
RITTER JOHN F	730577	SERVICE	ENGINEERING CAREER ORIENTATION FOR INNER CITY HIGH SCHOOL STUDENTS
ROBERTS LARRY S	730358	RESEARCH-BASIC	GROWTH PHYSIOLOGY OF CESTODES
RODRICK GARY E	730100	FELLOWSHIP	ALLERGY AND INFECTIOUS DISEASE FELLOWSHIP
ROSENBERG STEVEN L	730099	FELLOWSHIP	MICROBIOLOGY FELLOWSHIP
ROSENKRANTZ WALTER A	720124	RESEARCH-BASIC	RATES OF WEAK CONVERGENCE OF STOCHASTIC PROCESSES
ROSS JOANNE A	730111	SERVICE	OPERATE A UNIVERSITY YEAR FOR ACTION
ROSS S	730763	SERVICE	TECHNICAL ASSISTANCE FOR PEACE CORPS PROGRAMS IN LATIN AMERICA
ROSSMAN MARK H	720580	EDUC + CURRICULUM	ADULT EDUCATION STAFF DEVELOPMENT PROJECT

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
ROSSMAN MARK H	720581	EDUC + CURRICULUM	ADULT EDUCATION STAFF DEVELOPMENT PROJECT
RUBINSTEIN BERNARD	720557	RESEARCH-BASIC	INVESTIGATION OF A HORMONE-MEMBRANE INTERACTION
RUDMAN MASHA	720371	WORKSHOP + CONFERENCE	SUMMER WORKSHOP PROPOSAL - 1972-1973
RUDMAN MASHA	720372	EDUC + CURRICULUM	INTERSTATE STAFF DEVELOPMENT COOPERATIVE
RUDVALIS ARUNAS	730181	RESEARCH-BASIC	SPORADIC SIMPLE GROUPS
SALENIUS HILDEGARD M	720206	TRAINING	GRADUATE TRAINING IN PSYCHIATRIC MENTAL HEALTH NURSING
SANCHEZ ISAAC	730202	RESEARCH-BASIC	NEW THEORETICAL INTERPRETATION OF POLYMER DYNAMIC SPECTRA
SCANLON GERALD	720578	SERVICE	MASSACHUSETTS ASSOCIATION FOR THE REINTEGRATION OF YOUTH-MARY
SCANLON GERALD	730302	SERVICE	MASSACHUSETTS ASSOCIATION FOR THE REINTEGRATION OF YOUTH-MARY
SCHIMMEL DAVID M	720383	EDUC + CURRICULUM	UNDERGRADUATE PROGRAM IN COMPARATIVE INTERNATIONAL AND GLOBAL STUDIES
SCHIMMEL DAVID M	730002	EDUC + CURRICULUM	SIXTH CYCLE TEACHER CORPS PROJECT
SCHWARZ TERRY C	730500	SERVICE	PERFORMANCE BY THE AMERICAN INDIAN THEATRE ENSEMBLE
SEGOOL HOWARD D	730327	RESEARCH-BASIC	DESIGNING A MODEL FOR RESOURCE AGGREGATION AMONG SMALL MANUFACTURERS
SEVOIAN MARTIN	730407	RESEARCH-BASIC	DEFENSE MECHANISMS OF CHICKENS TO MAREKS DISEASE
SHAFER JANICE R	730142	RESEARCH-BASIC	HIGH ENERGY PHYSICS
SHAH NAVIN M	730293	RESEARCH-BASIC	TROPHIC ROLE OF GLYCOLLIC ACID IN A COASTAL MARINE ENVIONMENT
SHANLEY ROBERT A	720184	RESEARCH-BASIC	ATTITUDES PERCEPTIONS AND VALUES CONCERNING WATER PLANNING
SHORT W LEIGH	730466	RESEARCH-APPLIED	FUEL GAS PRODUCTION FROM MUNICIPAL SOLID WASTE
SHORT W LEIGH	730552	WORKSHOP + CONFERENCE	BIOCONVERSION ENERGY RESEARCH CONFERENCE
SHUFRO STEPHEN	730777	SERVICE	UNIVERSITY OF MASSACHUSETTS HIGHER EDUCATION PROJECT
SIGGIA SIDNEY	730792	RESEARCH-BASIC	INTERACTIONS BETWEEN METAL IONS WITH ACETYLENIC COMPOUNDS
SIGGIA SIDNEY	730152	EDUC + CURRICULUM	METHODS USING CHEMICAL REACTIONS FOR DETERMINING FUNCTIONAL GROUPS
SINGER JOSHUA J	730132	RESEARCH-BASIC	ELECTRICAL ACTIVITY OF ISOLATED SMOOTH MUSCLE CELLS
SLAVET JOSEPH	730752	EDUC + CURRICULUM	BOSTON COMMISSION ON SECONDARY EDUCATION
SLAVET JOSEPH	730753	EDUC + CURRICULUM	BOSTON COMMISSION ON SECONDARY EDUCATION

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
SMITH ALBERT C	720475	RESEARCH-BASIC	THE FLORA AND PHYTOGEOGRAPHY OF THE FIJIAN REGION
SMITH RUTH A	730769	EDUC + CURRICULUM	DEVELOPMENT OF COMMUNITY HEALTH NURSING
SMITH VERNON L	730554	RESEARCH-BASIC	EXPLORATIONS IN APPLIED ECONOMIC THEORY
SNEDECOR JAMES G	720588	TRAINING	MAMMALIAN REPRODUCTION
SNYDER DANA P	730314	RESEARCH-BASIC	BIOLOGY OF THE EASTERN CHIPMUNK, TAMIAS STRIATUS
SOUTHWICK FRANCIS W	730734	RESEARCH-BASIC	COMPOSITION OF A HYBRID CORN VARIETY
SOUTTER LAMAR	720645	INSTITUTIONAL	HEALTH PROFESSIONS CAPITATION GRANT PROGRAM
SPIELMAN ARLESS A	730807	INSTITUTIONAL	USDA HATCH FUNDS FOR AGRICULTURAL PROJECTS
SPIELMAN ARLESS A	730808	INSTITUTIONAL	USDA MCINTYRE-STENNIS FUNDS FOR FORESTRY PROJECTS
STARLING JANE A	730438	FELLOWSHIP	GROWTH CHARACTERISTICS OF CESTODES AND GLUCOSE TRANSPORT
STAUB ERVIN	720574	RESEARCH-BASIC	DEVELOPMENT OF PROSOCIAL BEHAVIOR IN CHILDREN
STEIN RICHARD S	730057	RESEARCH-BASIC	STRESS INDUCED CRYSTALLIZATION OF RUBBERS
STEIN RICHARD S	730260	RESEARCH-BASIC	LIGHT SCATTERING AND ORIENTATION IN MESOPHASES
STEIN RICHARD S	730507	RESEARCH-BASIC	OPTICAL AND X-RAY STUDIES OF POLYMER RELAXATION
STEIN RICHARD S	730509	RESEARCH-BASIC	MORPHOLOGY OF POLYMER AND RELATED POLYMERIC SYSTEMS
STEIN RICHARD S	730784	RESEARCH-BASIC	MICROSTRUCTURE OF ORGANIC POLYMERIC PHOTOCONDUCTORS
STEIN RICHARD S	730439	FELLOWSHIP	GRADUATE STUDIES AT THE POLYMER RESEARCH INSTITUTE
STEIN RICHARD S	720615	EDUC + CURRICULUM	GRADUATE STUDIES AT THE POLYMER RESEARCH INSTITUTE
STEINER IVAN D	720505	RESEARCH-BASIC	ANTECEDENTS AND CONSEQUENCES OF PERCEIVED FREEDOM
STERNHEIM MORTON M	730793	RESEARCH-BASIC	THEORY OF INTERACTION OF MESONS AND NUCLEONS WITH NUCLEI
STOFFOLANO JOHN G	720321	RESEARCH-BASIC	EFFECT OF AGING ON CHEMORECEPTOR SENSILLIA
STOKOE KENNETH H	730242	RESEARCH-BASIC	INFLUENCE OF SHAPE AND EMBEDMENT ON DYNAMIC FOUNDATION RESPONSE
STRONG JOHN D	720428	RESEARCH-BASIC	INFRARED STUDIES
STRONG JOHN D	720534	RESEARCH-BASIC	BALLOON ASTRONOMY
STRONG JOHN D	730040	RESEARCH-BASIC	STUDY OF WATER VAPOR LINES IN THE INTERMEDIATE INFRARED REGION

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
STRONG JOHN D	730072	RESEARCH-BASIC	SPECIES PRODUCED BY ELECTRICAL DISCHARGES IN A SIMULATED ATMOSPHERE
STRONG JOHN D	730091	RESEARCH-BASIC	EMISSION OF INFRARED RADIATION BY THE CORONA
STUART ALASTAIR M	730056	RESEARCH-BASIC	EXPERIMENTAL STUDIES IN SOCIAL BEHAVIOR IN TERMITES
STUMBO CHARLES R	720638	RESEARCH-APPLIED	THERMAL RESISTANCE OF SPORES OF CLOSTRIDIUM BOTULINUM
STUMBO CHARLES R	730301	RESEARCH-APPLIED	THERMAL PROCESS EVALUATION
SUTTON GORDON F	720571	RESEARCH-BASIC	GOAL ATTAINMENT IN THE CONTEXT OF RESTRUCTURED EDUCATION PURPOSE
TABER ROBERT L JR	720349	RESEARCH-BASIC	THE SELECTION OF PICORNAVIRUS-RESISTANT CHINESE HAMSTER OVARY CELLS
TANG SHIRLEY S	730401	FELLOWSHIP	PHYSICAL AND BIOLOGICAL PROPERTIES OF PRECURSOR TRNA
TANG TING-WEI	730491	RESEARCH-BASIC	ELECTROMAGNETIC WAVE INTERACTIONS
TAYLOR JOSEPH H	730137	RESEARCH-BASIC	A HIGH SENSITIVITY SURVEY TO DETECT NEW PULSARS
THOMAS IAN B	730414	RESEARCH-BASIC	SPEECH ANALYZING AIDS FOR THE DEAF
THOMPSON WILLIAM F	730195	RESEARCH-BASIC	MOLECULAR HYBRIDIZATION STUDIES OF PLANT DEVELOPMENT
TIPPER DONALD J	720052	RESEARCH-BASIC	CONTROL OF BACTERIAL CELL WALL SYNTHESIS AND BREAKDOWN
TORRES-SOTO JULIO	730485	SERVICE	QUE TAL, AMIGOS
TREHUB ARNOLD	720474	RESEARCH-BASIC	THE SYNAPTIC MATRIX
TROLL JOSEPH	730143	RESEARCH-APPLIED	TURF MANAGEMENT
TURNER CASTELLANO B	730679	RESEARCH-BASIC	SOCIAL SCIENCE AND LEGAL RESEARCH ON POPULATION POLICY
TZILKOWSKI W	730798	FELLOWSHIP	FORESTRY FELLOWSHIP
VANPEE MARCEL	720525	RESEARCH-BASIC	KINETIC STUDIES ON GAS HYDRATES
VENMAN WILLIAM C	730367	EDUC + CURRICULUM	TEACHING AND LEARNING PRACTICAL POLITICS
VOGL OTTO	720476	RESEARCH-BASIC	REACTIVE POLYMERS - POLYMERIC SUN SCREENS
VOGL OTTO	720477	RESEARCH-BASIC	CHEMICAL ARCHITECTURE OF SYNTHETIC MACROMOLECULAR MATERIALS
VOGL OTTO	720502	RESEARCH-BASIC	NEW POLYMERS FOR DESALINATION MEMBRANES
VOGL OTTO	730052	RESEARCH-BASIC	POLYMERIZATION AT VERY HIGH PRESSURES
VOGL OTTO	730783	RESEARCH-BASIC	SYNTHESIS DEGRADATIVE REACTIONS OF METASTABLE POLYMERS

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
WADE GEORGE N	720537	RESEARCH-BASIC	HORMONES, BRAIN FUNCTION AND BEHAVIOR
WALKER JAMES W	720290	RESEARCH-BASIC	POLLEN MORPHOLOGY AND PHYLOGENY OF PRIMITIVE ANGIOSPERMS
WALKER ROBERT W	730395	RESEARCH-BASIC	INH DRUG RESISTANCE IN THE MYCORACTERIA
WARD ROSCOE F	730061	FELLOWSHIP	FEDERAL SERVICE THROUGH INTERGOVERNMENTAL PERSONNEL ACT
WELLMAN ROBERT R	730005	EDUC + CURRICULUM	CENTER FOR HIGH SCHOOL PHILOSOPHY
WELLMAN ROBERT R	730586	EDUC + CURRICULUM	CENTER FOR HIGH SCHOOL PHILOSOPHY
WESTHEAD EDWARD W	720268	RESEARCH-BASIC	ROLE OF DIVALENT CATIONS IN ENOLASE AND OTHER BIOLOGICAL SYSTEMS
WESTHEAD EDWARD W	730340	RESEARCH-BASIC	MOLECULAR BASIS OF ASPARTOKINASE FEEDBACK CONTROL
WHITE RICHARD H	720359	RESEARCH-BASIC	PHYSIOLOGY OF LARVAL MOSQUITO PHOTORECEPTORS
WIARDA HOWARD J	720091	RESEARCH-BASIC	THE POLITICS OF POPULATION POLICY IN LATIN AMERICA
WILKIE RICHARD W	720549	RESEARCH-BASIC	A POPULATION STUDY OF RURAL MIGRANTS IN URBAN AREAS
WILKINSON THOMAS O	730598	SERVICE	POPULATION PROJECTIONS FOR MASS BY AGE/SEX, BY CITY/TOWN
WILKINSON THOMAS O	730804	SERVICE	STATE LEVEL COMPREHENSIVE PLANNING
WILLIAMS RINZY	730770	FELLOWSHIP	AN INVESTIGATION INTO THE TROPHIC STATES OF LAKES
WILLOUGHBY ROBERT H	720314	RESEARCH-BASIC	ALTRUISTIC BEHAVIOR IN CHILDREN
WILSON WILLIAM R D	730428	RESEARCH-APPLIED	BEARINGS FOR ARTIFICIAL HUMAN JOINTS
WILSON WILLIAM R D	720459	EQUIPMENT	EQUIPMENT FOR MANUFACTURING ENGINEERS
WINDER ALVIN E	720208	EDUC + CURRICULUM	UNDERGRADUATE PSYCHIATRIC NURSING
WOOD ROBERT C	720607	INSTITUTIONAL	EDUCATIONAL OPPORTUNITY GRANTS PROGRAM
WOOD ROBERT C	720608	INSTITUTIONAL	COLLEGE WORK-STUDY PROGRAM
WOOD ROBERT C	730394	INSTITUTIONAL	ADMINISTRATION OF INSTITUTIONAL GRANTS FOR SCIENCE
WOOD ROBERT C	730806	INSTITUTIONAL	A RESEARCH PROJECT FOR UNIVERSITY CONSORTIA
WOODBURY ROBERT L	730366	SERVICE	OPENING HIGHER EDUCATION WITH INSTRUCTIONAL TELEVISION
WORKMAN PETER L	720103	FELLOWSHIP	COMPONENTS OF HUMAN VARIATION IN GROWTH AND BEHAVIOR
WYMAN RAYMOND	720528	EDUC + CURRICULUM	NORTHEAST REGIONAL MEDIA CENTER FOR THE DEAF

CURRENT AWARDS BY PRINCIPAL INVESTIGATOR WITH PROGRAM TYPE FY 73

PRINCIPAL INVESTIGATOR	OCR NO	PROGRAM TYPE	PROJECT TITLE
WYMAN RAYMOND	730654	EDUC + CURRICULUM	NORTHEAST REGIONAL MEDIA CENTER FOR THE DEAF
WYSE GORDON A	730351	RESEARCH-BASIC	PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM
YENTSCH CHARLES S	720558	RESEARCH-BASIC	NASA CV990 OCEAN COLOR REMOTE SENSING EXPERIMENT
YENTSCH CHARLES S	730090	RESEARCH-BASIC	HYDROGRAPHIC FEATURES ASSOCIATED WITH CURRENTS AND PRIMARY PRODUCTION
YENTSCH CHARLES S	730156	RESEARCH-BASIC	BIOLOGICAL INDICATORS OF OIL POLLUTION
YENTSCH CHARLES S	730649	RESEARCH-BASIC	RED TIDE RESEARCH PROJECT
YNGVESSON K SIGFRID	730268	RESEARCH-BASIC	MASER RECEIVERS FOR TWO TO THREE MILLIMETER WAVELENGTHS
ZAHRADNIK JOHN W	720592	RESEARCH-APPLIED	SHELLFISH MANAGEMENT PROGRAM
ZAHRADNIK JOHN W	720593	RESEARCH-APPLIED	SHELLFISH MANAGEMENT PROGRAM
ZAHRADNIK JOHN W	730589	RESEARCH-APPLIED	COST-BENEFIT EVALUATION OF UNDERSIZE LOBSTER FEEDING
ZAHRADNIK JOHN W	730609	RESEARCH-APPLIED	FEASIBILITY OF MARICULTURE IN MASSACHUSETTS BAY
ZAJICEK OLIVER T	730505	RESEARCH-BASIC	WATER QUALITY STUDIES
ZEISEL GERALD	730063	RESEARCH-BASIC	COMPUTERIZED FINANCIAL RESEARCH
ZIFF HOWARD M	730197	RESEARCH-BASIC	THE NEW ENGLAND DAILY NEWSPAPER SURVEY
ZUBE ERVIN H	730194	RESEARCH-BASIC	SCENIC RESOURCE VALUES AND THEIR RELATIONSHIP TO MAPPABLE LANDSCAPE
ZUBE ERVIN H	730610	RESEARCH-BASIC	SOLID WASTE MANAGEMENT MASTER PLAN
ZUBE ERVIN H	730611	SERVICE	STATE ENVIRONMENTAL MANAGEMENT INFORMATION PROJECT
ZUCKERMAN BERT M	730768	RESEARCH-APPLIED	USE OF DIFOLATAN ON CRANBERRIES

Via Courier

Secretary's Office
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THE HOLLINGER CORPORATION
ARLINGTON, VIRGINIA

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UNIVERSITY OF MASSACHUSETTS
AMHERST · BOSTON · WORCESTER

MEDICAL SCHOOL
OFFICE OF THE DEAN
419 BELMONT STREET
WORCESTER, MASSACHUSETTS 01604

July 2, 1973

TO: Mr. Robert J. McCartney

FROM: Lamar Soutter, M.D.
Dean, Medical School

SUBJECT: Report of the University of Massachusetts Medical School For the Fiscal Year Ending June 30, 1973

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1. Appropriation for the Fiscal Year

	Budget	Capital Outlay
1971-72	$2,435,366.78 (Maint.) 70,000.00 (Books)	$215,000
1972-73	2,920,589.00 * 66,000.00 (Books)	0

* Includes carryovers of $317,184 from 1971-72.

2. Personnel--September, 1971

Dean, one
Associate Deans, two
Executive Assistant, one
Librarian, one
Registrar, one
Engineers, two
Director of Materiel, one
Director of Planning and Development, one
Controller, one
Staff Associate (Materiel), one
Staff Assistant (Materiel), two
Library Professionals, three
Professional Technicians, six

Faculty - Professors and Chairmen of Departments, eight
Professors, one
Associate Professors, three
Assistant Professors, eleven
Lecturer, one
Courtesy Faculty, thirty-four

Classified Staff, forty-four

Personnel--Continued

September, 1972		Dean, one Associate Deans, two Executive Assistant, one Librarian, one Registrar, one Engineers, two Director of Materiel, one Director of Planning and Development, one Controller, one Staff Associate (Materiel), one Staff Assistants (Materiel), two Library Professionals, three Professor Technicians, six
	Faculty -	Professors and Chairmen of Departments, nine Professors, three Associate Professors, three Assistant Professors, thirteen
		Courtesy Faculty, ninety-two
		Classified Staff, fifty

3. Organizational Chart: Same as 1969-70.

4. Students or clientele served: sixty-four

5. Faculty publications, research grants, research projects, and other professional activities are appended.

6. Major accomplishments during fiscal year 1972-73

   a. We admitted our third class which has 24 students in it. We also inaugurated a system of replacing students who have been dismissed or have withdrawn with Massachusetts residents who are studying at other schools and wish to transfer. (Most of these are studying abroad.)

   b. Our first class of sixteen students took Part I of the National Board Examinations for the first time. They all passed and the one who did the best was in the top two percent in the nation. About 9,000 students took the examination. The failure rate at some medical schools runs about eighteen percent.

   c. We concluded an affiliation agreement with the Wesson Women's Hospital and our students have begun taking their clinical obstetrics and gynecology there.

d. Our first class is now in its clinical year on the wards of affiliated hospitals. This has been a good experience, both for the students and the local doctors.

e. Our faculty has grown to over thirty-five full-time and one-hundred fifty voluntary faculty.

7. Special projects or programs

a. A committee made up of people within and without the University completed a program for the development of the Worcester campus and submitted it to the Trustees.

b. In conjunction with the Memorial Hospital, we have inaugurated a residency training program in Obstetrics and Gynecology at that hospital.

c. In conjunction with the Worcester City Hospital, we are planning a residency training program in Family Practice.

d. We opened, in conjunction with the Holden Hospital, a small clinic in Barre, Massachusetts to serve eight rural towns which have inadequate medical care.

8. Future plans and needs

a. Our number one need is a parking garage to serve the school and the hospital.

b. Our next most pressing need is residence halls for students.

c. Our third most important need is for a school of nursing.

We are working on plans for the first two of these.

Respectfully submitted,

Lamar Soutter, M.D.
Dean

kd

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Dr. Burke, Community Medicine Date June 18, 1973

To Muriel Sawyer

Subject Annual Report Material

1. Additions to bibliography:

Kane, R., Martin, D.A., and Burke, W.M.: Public health in Kentucky: The department as a broker. Group Practice 19:15, 1970.

Burke, W.M., and Marx, M.B.: Attitudes of professional students toward legal control of psychoactive substances. HSMHA Health Reports 86:725, 1971.

2. Current Research Grants:

None.

3. Professional Activities:

Certified by American Board of Internal Medicine 6/72.
Certified by American Board of Preventive Medicine 12/72.

Massachusetts Medical Licensure 9/72, #34219.

MEDICAL SOCIETIES:

Massachusetts Medical Society 12/72.
Worcester District Medical Society 12/72.

STAFF APPOINTMENTS:

Holden District Hospital, General Medicine and Family Practice, 5/73.
Worcester City Hospital, Courtesy Staff, 7/72.

WMB

William M. Burke, M.D.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From R. W. Butcher, Ph.D. Date June 5, 1973

To Miss Muriel Sawyer

Subject Information for Annual Report

The following information is being furnished to you for incorporation in the Dean's Annual Report:

Additions to bibliography:

Carlson, L.A., and Butcher, R.W., Levels of cyclic AMP and rate of fat mobilizing lipolysis in human adipose tissue in response to different adrenergic stimulators. In: Advances in Cyclic Nucleotide Research, Raven Press, N.Y., Vol. 1, pg. 87 (1972).

Carlson, L.A., Walldius, G., and Butcher, R.W., Effect of chlorophenoxyisobutyric acid (CPIB) on fat mobilizing lipolysis and cyclic AMP levels in rat epididymal fat. Atherosclerosis, 16:349 (1972).

Butcher, R.W., and Hittelman, K.J., Prostaglandins and the control of cyclic AMP levels in adipose tissue. In: Proceedings of the IV International Congress of Endocrinology, R.O. Scow, Editor, Excerpta Medica, Publishers, Amsterdam.

Hittelman, K.J., Wu, C.F., and Butcher, R.W., Control of cyclic AMP levels in isolated fat cells from hamsters. Biochim. et Biophys. Acta, 304:188 (1973).

Chlapowski, F.J., and Butcher, R.W., Subcellular distribution of adenyl cyclase and phosphodiesterase in Acanthamoeba palestinensis. Biochim. et Biophys. Acta, 309:138 (1973).

Hittelman, K.J., Bertin, R., and Butcher, R.W., Cyclic AMP levels in brown adipocytes of hamsters exposed to different temperatures. In Press.

Chlapowski, F.J., Wolff, J.A., and Butcher, R.W., Adenyl cyclase in the intracellular membranes of Acanthamoeba palestinensis. J. of Cell Biology, 55:42a (1972).

Butcher, R.W., and Hittelman, K.J., Effects of alpha-adrenergic stimuli on cyclic AMP levels in hamster white adipocytes. Ninth International Congress of Biochemistry, Stockholm (1973).

Hittelman, K.J., and Butcher, R.W., Cyclic AMP and the mechanism of action of the prostaglandins. In: The Prostaglandins, Pharmacological and Therapeutic Advances, M. F. Cuthbert, Editor, The Whitefriars Press Ltd., London, pg. 151 (1973).

ST. VINCENT HOSPITAL of WORCESTER, MASSACHUSETTS 01610 - TELEPHONE 798-1234

WALLACE H.J. CHANG, M.D.
Division of Plastic and Reconstructive Surgery
St. Vincent Hospital
(617) 798-6095

Assistant Professor of Surgery
Department of Surgery
University of Massachusetts Medical School

BIBLIOGRAPHY

COMPLETED:

Chang, W.H.J., Thoms, O.J., and W.L. White: Avulsion Injury of the Long Flexor Tendons. Pl. & Recon. Surg. 50: 260-264, 1972.

Chang, W.H.J., Gomez, N. and L. Edelstein: Use of Porcine Xenografts for Donor Site Coverage. Brit. J. Pl. Surg. 26: 147-149, April, 1973.

IN PREPARATION:

Chang, W.H.J., Jacobs, J.: Clinical and Electronmicroscopic correlations in Rendu-Osler-Weber Disease.

Chang, W.H.J., Edelstein, L. and J. Jhung.: Hair Follicle Nevus of the Eyelid.

Chang, W.H.J., Edelstein, L.: Case Report. Basal Cell Carcinoma Degeneration within a Syringocystadenoma.

LIST OF CURRENT RESEARCH GRANTS, INCLUDING SPONSER AND TITLE

Skin Study. Sponsored by the Burn Treatment Skin Bank, Phoenix, Arizona.

ATTENDED FOLLOWING MEETINGS

Annual Meeting of the American Society of Plastic and Reconstructive Surgeons, Las Vegas, Nevada, September 14-24, 1972.

Annual Meeting of the American Society for Surgery of the Hand, Las Vegas, Nevada, January 29-February 2,1973.

Educational Foundation of American Society of Plastic and Reconstructive Surgeons, Durham, North Carolina, April 12-15, 1973

Annual Meeting of the New England Society of Plastic and Reconstructive Surgeons, Kennebunkport, Maine, May 18-20, 1973

Annual Meeting of the American College of Plastic Surgeons, New York City, New York, June 25-27, 1973.

FRANCIS J. CHLAPOWSKI, PH.D.

1. Publications

Chlapowski, F.J., and R. W. Butcher. 1973. Subcellular distribution of adenyl cyclase and phosphodiesterase in Acanthamoeba palestinesis. Biochim. Biophys. Acta, 309:138.

Abstracts

Chlapowski, F.J., J. A. Wolff, and R. W. Butcher. 1972. Adenyl Cyclase in the intracellular membranes of Acanthamoeba palestinensis. J. Cell Biol., 55:42a.

Chlapowski, F.J. 1973. The distribution of plaques composing the luminal plasma membrane of the urinary bladder as revealed by surface replication. Anat. Rec., 175:291.

2. Research Grants

National Institutes of Health
"Origin and Specialization of Membranes"

UNIVERSITY OF MASSACHUSETTS

MEMORANDUM

From Richard B. Clark, Ph.D. Date June 6, 1973

To Miss Muriel Sawyer

Subject INFORMATION FOR ANNUAL REPORT

In response to your memorandum of June 5, here are the additions for the Dean's Annual Report:

Additions to bibliography:

NONE

Current research grant:

NONE

Professional activities:

Member, American Chemical Society

Richard B. Clark

Richard B. Clark, Ph.D.

RBC

mc

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

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MEMORANDUM

From Sam L. Clark, Jr. Date June 11, 1973

To Muriel Sawyer

Subject Request for Annual Report Material

1. Clark, Sam L., Jr. The Intrathymic Environment. Chapter 4 in Contemporary Topics in Immunobiology, Volume 2, pp. 77-99, A.J.S. Davies and R.L. Carter, Eds. Plenum Press, New York-London, 1973.

   Clark, Sam L., Jr. and Gary B. Schneider. Role of the Adrenal Cortex in Maturation of the Lymphoid System and Immunological Competence; the Effects of Aminoglutethimide in Suckling Mice. Amer. J. Anatomy In Press.

2. National Science Foundation #GB 38360 (Clark & Schneider)
   $38,000 5/1/73-10/31/75
   Ontogeny of Immunity and the Lymphoid System

   National Science Foundation #GB 7547
   7/1/68-9/30/72
   Endocrine Function of the Thymus

   National Institutes of Health #AI-08791-
   6/1/69-5/31/73
   Neonatal Adaption and Immunological Maturation

3. Associate Editor, American Journal of Anatomy, 1963-
   Pan American Association of Anatomy, 1966-
   Association of Anatomy Chairmen, 1969-
   American Association of Anatomists, 1954
   Chairman, Council of Academic Societies
   Association of American Medical Colleges, Nov. 1971-Nov. 1972.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Dr. W.J.Cooke Date June 27,1973

To Muriel Sawyer

Subject Annual Report Material

Abstracts: July 1,1972 to June 30,1973

Mudge, G.H., W.J. Cooke and W.O. Berndt, "Acute renal response to diuresis." Fed. Proc. 32:381 (1973).

Meetings Attended:

New England Pharmacology Society
Hanover, New Hampshire
February 15-16,1973.

Federation of American Society of Experimental Biology
Atlantic City, New Jersey
April 15-20,1973.

W.J.C.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From J.D. Feinblatt, Ph.D. Date 6/20/73

To Muriel Sawyer

Subject Material for annual report

1. Addition to Bibliography:

   Feinblatt, J.D., L.G. Raisz and A.D. Kenny, "Secretion of avian ultimobranchial calcitonin in organ culture." Endocrinology 93:5-12,1973.

2. Current Research Grant:

   General Research Support - #RR05712-03
   Secretion of Calcitonin.

3. Professional activities:

   a. Elected to the Endocrine Society and American Physiological Society.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Dr. Fulmer, Community Medicine Date June 18, 1973

To Muriel Sawyer

Subject Annual Report Material

1. Additions to bibliography:

None.

2. Current Research Grants:

a. Worcester County Health Association - "Smoking and Health in Rural Community" Co-Principal Investigator.

b. Board of Higher Education - "Human Well-Being Cluster Committee" Principal Investigator.

c. Board of Higher Education - "Infectious Hepatitis Study in Worcester" Co-Principal Investigator.

d. Regional Medical Program - "Study of Health Maintenance Organization in Worcester" Director, Fallon Clinic.

3. Professional Activities:

PROFESSIONAL ORGANIZATIONS:

Massachusetts Medical Society
Worcester District Medical Society
American Medical Association
American Public Health Association
New York Academy of Sciences
American Association for the Advancement of Science

HONORARY ORGANIZATIONS:

Alpha Omega Alpha
Delta Omega
Phi Beta Kappa

LOCAL ORGANIZATIONS:

Visiting Nurse Association of Worcester
(Board of Managers; Program Committee; Goals Committee)

Worcester County Health Association
(Board of Directors)

Model Cities Health and Social Services Corporation
(Board of Directors; Personnel Committee)

LOCAL ORGANIZATIONS (continued):

Comprehensive Health Planning Council
(Consultant)

City Demonstration Agency Advisory Committee
(Model Cities)

Worcester Southern District Medical Society

Committee on Community Health, Worcester District Medical Society

Worcester Medical News
(Editorial Board)

Medical Staff
Worcester City Hospital

Consulting Staff
Holden District Hospital

Worcester Consortium for Higher Education
(Management of Medical Enterprises Committee)

STATE ORGANIZATIONS:

Governor's Advisory Committee for the Lead Poisoning Prevention Program

Western Massachusetts Advisory Committee, Tri-State Regional Medical Program
(Vice Chairman)

Massachusetts Advisory Committee, Tri-State Regional Medical Program

Tri-State Regional Advisory Group, Tri-State Regional Medical Program

Subcommittee on Evaluation, Tri-State Regional Medical Program

Harvard Public Health Alumni Association
(President)

Advisory Committee on Planning, Harvard School of Public Health

New England Consortium on Air Pollution

University of Massachusetts Air Pollution Control Advisory Committee

Easter Seal Society
(Program Committee)

President Wood's Academic Advisory Committee

University of Massachusetts Institute for Governmental Services Advisory Committee

American Medical Association New England Rural Health Council

NATIONAL ORGANIZATIONS:

Association of Teachers of Preventive Medicine
(Executive Committee)

Oral Examiner, American Board of Preventive Medicine

H.F.
Hugh S. Fulmer, M.D.

PETER GRIGG, PH.D.

1. Additions to Bibliography

Grigg, P., Motor Cortex Modulation of Knee Flexor and Extensor Fusimotor neurons in the 'Pyramidal' Cat. Brain Research, 48. pp.390-393. 1973

2. Current Research Grants

National Institutes of Health #7-R01-SN-10783-02

"Segmental Reflexes Mediated by Joint Afferent Neurons"

3. Professional Activities

Member of: Association for Research in Vision and Opthalmology

American Association for the Advancement of Science

UNIVERSITY OF MASSACHUSETTS

MEMORANDUM

From Ian D. K. Halkerston, Ph.D. Date June 6, 1973

To Miss Muriel Sawyer

Subject INFORMATION FOR ANNUAL REPORT

In response to your memorandum of June 5, here are the additions for the Annual Report:

Additions to bibliography:

Barofsky, Anna-Lisa, Feinstein, Morris, and Halkerston, Ian D. K.. Enzymatic and mechanical requirements for the dissociation of cortical cells from rat adrenal glands. Exptl. Cell Res., in press.

Current research grant:

Population Council
Title: *In Vitro* Assay of the Biological Activities of Lueteotrophin
Grant No. M71.175

Professional activities:

Member, Endocrine Society (U.S.)
Society for Endocrinology (U.K.)
Sigma Xi
AAAS

Ian D K Halkerston

Ian D. K. Halkerston, Ph.D.

IDKH
mc

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From H. Maurice Goodman Date June 29, 1973

To Muriel Sawyer

Subject Annual Report Material

1. Additions to bibliography

   Schwartz, Jessica, D.F. Nutting, H.M. Goodman, J.L. Kostyo and R.E. Fellows: Growth Hormone Covalently Bound to Sepharose. II. Study of the Biological Activity of a Growth Hormone-Sepharose Complex in Adipose Tissue and Diaphragm Muscle. Endocrinology 92:439-445, 1973.

2. NIH Grant AM 15046-03 Growth Hormone Action on Fat Metabolism.

3. Program Committee American Physiological Society
   Editorial Board METABOLISM
   Editorial Board ENDOCRINOLOGY

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

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MEMORANDUM

From John B. Herrmann, M.D. Date June 7, 1973

To Muriel Sawyer

Subject Material for Annual Report

In response to your memo dated June 5, 1973, I can provide the following information:

1. Additions to Bibliography:

Herrmann, J.B.: Changes in Tensile Strength and Knot Security of Surgical Sutures in vivo. Archives of Surgery 106:707, May 1973.

2. Current Research Grants: None

3. Professional Activities: I am not exactly sure what you mean by this, but in addition to my professional activities associated with the Worcester City Hospital and the University of Massachusetts Medical School, I hold the following consulting positions:

Consultant, Veterans Administration Co-operative Study on the Effect of Oral Zinc Sulfate on the healing of decubitus ulcers, 1972-present.

Consultant, Surgical Research Program, Veterans Adminsitration Hospital, Washington, D.C., 1972-present.

Consultant, Basic Research and Experimental Design, David and Geck Division, American Cyanamid Company, Pearl River, New York, 1969-present.

Please let me know if I can provide any further information.

John B. Herrmann, M.D.

JBH/daw

June, 1973

ROGER B. HICKLER, M. D.

Professor and Chairman, Department of Medicine

Full Length Publications

Hickler, R. B.: Hypertension. Chapter in Microcirculation in Clinical Medicine. R. E. Wells, Ed., Academic Press, Inc., New York (in press)

Hickler, R. B. and Thorn, G. W.: Pheochromocytoma. In Principles of Internal Medicine, 7th Edition. Ed. by McGraw-Hill, New York (in press)

Hickler, R. B.: Pharmacotherapy of Hypertension Based on Physiological Principles. Excerpta Medica. (in press)

Abstracts

Sullivan, M., Merrill, M., Saravas, C. A. and Hickler, R. B.: Studies of the Renin-Renin Substrate Reaction in Man. Suppl. II to Circulation, Vols. XLV and XLVI, October, 1972.

Christlieb, A. R., Hickler, R. B. and Lauler, D. P.: Renin and Vascular Disease Circulation (in press)

Additional Professional Activities

Governor for Massachusetts - American College of Physicians
Member, Association of University Cardiologists

Member, Ad Hoc Committee to Develop Guidelines for Heart Care, Tri-State Regional Medical Program. Chairman: Sub-committee on Coronary Care Units

Member, Ad Hoc Committee to Develop a Statement of Policies and Plans for Implementation - The American College of Physicians

Governor's Meeting - American College of Cardiology (participant)

American College of Physicians Regional Meeting (in attendance as Governor-elect for Massachusetts)

American College of Physicians Credentials Committee Meeting (in attendance as Governor-elect for Massachusetts)

Council for High Blood Pressure Research - Scientific Meeting (in attendance as Council Member)

Roger B. Hickler, M. D.

Professional Activities (cont'd)

Guest Speaker - Worcester District Medical Society
(to be published in Worcester District Medical News)

Lecturer - Basic Science Series at Framingham Union Hospital

Presentations as Guest Faculty at UCLA sponsored Symposium on Hypertension

Presentation as Guest Faculty at University of Florida Symposium on
Oral Contraceptives and Hypertension

Co-Chairman of Scientific Session at the American College of Physicians
Annual Meeting

Meeting of Association of Professors of Medicine - (in attendance)

Member, Committee to Develop Self-Assessment Exam for Hypertension
American Heart Association

Presentation as Guest Faculty for American College of Chest Physicians
at Jefferson Medical College - Symposium on Clinical Aspects of Hypertension

Guest Speaker - Annual Meeting of Greater Hartford Heart Association

Presentation as Guest Faculty Post-graduate Course in Internal Medicine
at Tufts Medical School

UNIVERSITY OF MASSACHUSETTS

MEMORANDUM

From K. J. Hittelman, Ph.D. Date June 6, 1973

To Miss Muriel Sawyer

Subject INFORMATION FOR ANNUAL REPORT

The following information is being furnished to you for incorporation in the Dean's Annual Report:

Additions to bibliography:

Butcher, R. W., and Hittelman, K. J., The metabolism of cyclic AMP and its role in cell function. In: Second International Symposium on the Biochemistry of the Acute Allergic Reactions, K. F. Austen and E. L. Becker, Editors, pg. 141 (1971).

Hittelman, K. J., and Butcher, R. W., Cyclic AMP and the mechanism of action of the prostaglandins. In: The Prostaglandins, Pharmacological and Therapeutic Advances, M. F. Cuthbert, Editor, the Whitefriars Press Ltd., London, pg. 151 (1973).

Butcher, R. W., and Hittelman, K. J., Prostaglandins and the control of cyclic AMP levels in adipose tissue. In: Proceedings of the IV International Congress of Endocrinology, R. W. Scow, Editor, Excerpta Medica, Publishers, Amsterdam.

Hittelman, K. J., Wu, C. F., and Butcher, R. W., Control of cyclic AMP levels in isolated fat cells from hamsters. Biochim. et Biophys. Acta, 304:188 (1973).

Hittelman, K. J., Bertin, R., and Butcher, R. W., Cyclic AMP levels in brown adipocytes of hamsters exposed to different temperatures. In press.

Butcher, R. W., and Hittelman, K. J., Effects of alpha-adrenergic stimuli on cyclic AMP levels in hamster white adipocytes. Ninth International Congress of Biochemistry, Stockholm (1973).

Current research grant:

National Science Foundation
Title: Cyclic AMP Metabolism in Hamster Brown and White Fat
Grant No. GB-37834

Additional professional activities:

Member, American Society for Cell Biology
Biophysical Society

R. W. Butcher
for K. J. Hittelman, Ph.D.

KJH/mc

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Dr. Terrance Leighton Date June 27, 1973

To Miss Muriel Sawyer

Subject Annual Report Material

Dear Muriel:

I have delayed sending you my Annual Report Material in hopes the current uncertain situation in Washington would improve. However, this now appears to be unlikely by the end of June. I have two GRS grants, one for $3,000 (Sporulation in Bacillus subtilis) and one for $2,500 (Behavior in Phycomyces). I have duplicate proposals submitted to NSF and NIH on bacterial sporulation. NSF has informed me they will fund my application (pending congressional action on their budget). The adjudication process at NIH is not yet complete and I am waiting to hear their decision (the study section gave the grant a high priority) as NIH awards more money. Also, if both applications are approved a certain amount of bargaining between agencies is possible. I have a smaller grant application submitted to the Research Corporation (Behavior in Phycomyces). However, action will not be taken on this proposal until September.

Publications

Santo, L., Leighton, T. J. and Doi, R. H. 1972. Ultrastructural analysis of sporulation in a conditional lethal serine protease mutant of Bacillus subtilis. J. Bacteriol. III, 248.

Dill, B. C., Leighton, T. J. and Stock, J. J. (1972). Physiological and biochemical changes associated with macroconidial germination in Microsporum gypseum. Appl. Microbiol. 24, 977.

Leighton, T. J. (1973) An RNA polymerase mutation causing temperature sensitive sporulation in Bacillus subtilis. Proc. Natl. Acad. Sci., 70, 1179.

Leighton, T. J., Doi, R. H., Warren, R. A. J., and Kelln, R. A. (1973). The relationship of serine protease activity to RNA polymerase modification and sporulation in Bacillus subtilis. J. Mol. Biol., 76, 103.

Professional Activities

Summer 1972, in charge, Phycomyces Genetics Workshop, Cold Spring Harbor Laboratories.

Chairman, session on sporulation transcription, 1973, American Society for Microbiology meetings.

Symposium contribution, 1973, American Society for Microbiology meetings: Leighton, T. J., P. K. Freese and R. H. Doi, a molecular genetic analysis of transcription.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Leslie Lipworth, M.B., Ch.B. Date June 25, 1973

To Miss Sawyer

Subject

PUBLICATIONS:

1. "Cervical Cancer Screening", Lipworth, L., Robinson, D., Scheffer, H., Harmond, H., New England Journal of Medicine, Vol. 287, No. 19, P. 986, November 9, 1972

2. "The Influence of Medicaid and Private Health Insurance on the Early Diagnoses of Breast Cancer", Friedman, B., Parker, P.D., Lipworth, L., accepted for publication by Medical Care

H. EDWARD MacMAHON

1. Additions to Bibliography

BILIARY CIRRHOSIS--A monograph. Appearing in Pathology Annual 1973

2. Research Grants

None

3. Professional Activities

Attendance at staff meetings of hospitals affiliated with the Department of Pathology

Consultant in Pathology to the New England Medical Center and hospitals affiliated with the New England Medical center as well as the Leonard Morse Hospital, Hyannis Hospital, Malden Hospital, Carney Hospital, Lynn Hospital, and the Mount Auburn Hospital

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Sandy C. Marks, Jr. Date June 8, 1973

To Muriel Sawyer

Subject Request for Annual Report Material

1. Marks, Sandy C., Jr. Pathogenesis of Osteopetrosis in the ia Rat: Reduced bone resorption due to reduced osteoclast function. American Journal of Anatomy. In Press.

2. "Pathogenesis of Osteopetrosis in Rats", National Science Foundation

   # GB24167.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Dr. Tracy Miller Date June 25, 1973

To Muriel Sawyer

Subject Annual Report Material

Additions to Bibliography

1. Addition to Bibliography

Brem, J, Pereli, E.M., Gopalan, S.K. and Miller, T.B. "Salicylism, hyperventilation, and the CNS." The J. of Pediatrics, In Press.

2. Current Research Grants

"The role of cerebral fluids in narcotic tolerance and withdrawal symptoms." General Research Support Grant - U. Mass. Medical School. Application to NIMH not funded; will try again in October.

"An evaluation of acetazolamide in the treatment of salicylate intoxication in dogs." Supported by the Worcester City Hospital and Astra Pharmaceuticals.

3. Professional Activities

a. Research Committee of the New England Heart Association.

b. Board of Directors of the Central Chapter of the Massachusetts Heart Association and Chairman of the Research Committee. Member of the Executive Committee for '73-'74.

c. Editorial consultant for the Journal of Pharmacology and Experimental Therapeutics.

d. Board of Trustees of the Worcester Community School for the Performing Arts.

TBM

UNIVERSITY OF MASSACHUSETTS

MEMORANDUM

From Donald J. Morton, Ph.D. Date June 18, 1973

To Muriel Sawyer

Subject Annual Report Material

1.) Additions to Bibliography.

None unless you count a letter published in the "Journal of Medical Education." If you do, then it might be listed as:
"Journals with Unresticted Copyright." Journal of Medical Education. v.48, 1973, pp.302-303. Letter

2.) Listing of Research Grants.

None.

3.) Professional Activities.

a.) Medical Library Association - Elected as the Chairman of the Council of Developing Libraries, a group of about 20 new medical school libraries which meet at the Association's annual national meeting.

b.) Massachusetts Council of Chief Librarians of Public Higher Educational Institutions - Elected to serve on the Executive Committee. This group represents librarians from state academic institutions and is responsible for allocating $1,500,000 appropriated yearly by the legislature for books.

c.) Simmons College - Appointed to serve on the Advisory Committee for Medical Librarianship Program.

d.) New England Regional Medical Library Service - Appointed to serve on the Task Force Planning Committee.

e.) Worcester Foundation for Experimental Biology - Appointed to serve on the Cooperating Staff.

f.) Worcester Area Cooperating Libraries - Appointed to serve on the Serials Committee

g.) Medical Library Association of New York - Served as an invited speaker at the groups annual meeting in October, 1972. Discussed the question of faculty status for academic librarians.

MEMORANDUM

From: Liberto Pechet, M.D.

To: Muriel Sawyer

Subject: Request for Annual Report Material

1. Additions to bibliography

1. Chesney, C, Pechet, L, Coleman, R,; "Pseudo Von Willebrand's Disease". Clinical Research 20: 482, 1972.

2. Locke, J.P., Castro, G.A.M., Pechet, L., Snyder, L.M., "Hemodialysis in Myelomatosis". Annals of Internal Medicine, 78: 3, 1973 (Letter to Editor).

22 Pechet, L, Chesney, C, Coleman, R: "Variants of Von Willebrand's Disease". New England Journal of Medicine, 288: 1129, 1973 (Letter to Editor).

2. Current Research Grant

"Clotting Factor Activation and Consumption Coagulopathy", sponsored by the Department of Health, Education and Welfare, Publich Health Service, Heart and Lung Institute, for the period May 1, 1971 through April 30, 1974.

3. Professional Activities

Continue as director of the Hemostasis-Diagnostic Laboratory and Attending Physician at St. Vincent Hospital; Associate Professor of Medicine and Pathology at the University of Massachusetts Medical School. Gave the entire course on Hematology and part of the course on inflamation and immunopathology within the course in Pathology for the second year class at the University of Massachusetts Medical School in the academic year of 1972-1973. Became a Fellow of the American College of Physicians, invested in April 1973; delivered lecture "Complications of Oral Contraceptives" within the annual meeting of the Mass. Dietician Association; delivered a paper entitled "The Purification of Human Factor IX by Isoelectric Focusing", at the fourth meeting of the International Society of Thrombosis and Hemostasis, in Vienna, Austria, in June 1973.

L Pechet

Liberto Pechet, M.D.

LP/ena

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Richard H. Saunders, Jr., M.D. Date June 15, 1973

To Miss Sawyer

Subject Material for Annual Report

I No additions to bibliography
II No research grants
III Professional activities for 1972-73 have included:

A. UMMS Committees:

CHAIRMAN
Admissions Committee
Ob/Gyn Search Committee
Committee on Human Subjects in Research
Financial Aid Committee

MEMBER
Audiovisual Aids Committee
Library Committee
Pediatrics Search Committee
Radiology Search Committee
Basic Science Curriculum Committee
Clinical Curriculum Committee
Committee on Electives
Educational Policy Committee

B. University Committees:

1. Search Committee, Dean of School of Nursing, Amherst
2. Representative of Medical School on Nursing Steering Committee of Board of Higher Education.

C. Association of American Medical Colleges:

1. UMMS representative to Group on Student Affairs (National and Regional groups)
2. UMMS representative to Group on Medical Education (National and Regional groups)
3. Member, AAMC/AMA Liason Committee's Accreditation Team, evaluating Dalhousie University Faculty of Medicine

D. Teaching:

Lecturer and bedside instructor in Physical Diagnosis course (second year)

E. Miscellaneous:

Student counselling (all classes); internship counselling (3rd year class); completing numerous questionnaires for A.M.A., A.A.M.C. research groups, etc.; evening talks before civic groups (Kiwanis, Rotary, National Secretarial Association); visited M.I.T., Worcester State College, Boston University and U.Mass.(Boston) to talk with premedical students and advisors.

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UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

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MEMORANDUM

From Gary B. Schneider, Ph.D. Date June 8, 1973

To Muriel Sawyer

Subject Request for Annual Report Material

1. Thesis title: The Ontogeny of Cell-Mediated Immunity: The Response in Mice to Dinitrofluorobenzene.

   Submitted to the Graduate School of the University of Massachusetts, May 1973.

   Schneider, Gary B. The ontogeny of cell-mediated immunity: the response of the mouse to dinitrofluorobenzene (DNFB). American Journal of Anatomy. In press.

   Clark, Sam L., Jr. and Gary B. Schneider. Role of the Adrenal Cortex in Maturation of the Lymphoid System and Immunological Competence; the Effects of Aminoglutethimide in Suckling Mice. American Journal of Anatomy. In press.

2. National Science Foundation #GB 38360 (Clark & Schneider)
   $38,000 5/1/73-10/31/75
   Ontogeny of Immunity and the Lymphoid System

JOHN F. STOCKWELL, Associate Dean for Administrative Affairs and Hospital Director

Professional Activities

Chairman, Board of Directors, Comprehensive Health Planning Council of Central Massachusetts

Member, Massachusetts Hospital Association, Worcester Area Council

Member, Massachusetts Hospital Association, Committee on Planning

Member, Massachusetts Hospital Association, Council on Health Facilities and Services

Member, American College of Hospital Administrators

Member, New England Hospital Assembly

Member, American Hospital Association

Member, Association of American Medical Colleges

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Dr. R. Taber Date June 25, 1973

To Miss Muriel Sawyer

Subject

New publications:

Taber, R., Wertherimer, R. and Golrick, J. The nature of protein synthesized by cells after the inhibition of proteolysis. (J. Mol. Biol., in press).

Present grants:

AI 11005-01	The selection of picornavirus-resistant CHO cells. Project period 9/01/72 - 8/31/74.
GRS #26	$1500. Drs. Taber and Fay.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

MEMORANDUM

From Dr. Donald J. Tipper Date June 6, 1973

To Miss Muriel Sawyer

Subject Annual Report Material

1. Additions to bibiography

Howard, L. and Tipper, D. J. A Polypeptide Bacteriophage Receptor: Modified Cell Wall Protein Subunits in Bacteriophage-Resistant Mutants of Bacillus sphaericus Strain P-1. J.Bacteriol. 113:1491-1504.

2. Current Research Grants

a. NIH HD 06518-01. Expires Aug. 31, 1973
Structure and Synthesis of Bacillus sphaericus Cell Wall.

b. AI 10806-01 MBC. NIH grant. Effective June, 1973
Control of Bacterial Cell Wall Synthesis and Breakdown.

3. Professional Activities

Editor, Journal of Bacteriology (A.S.M.)

Attended: FASEB Meetings (Atlantic City)
ASM " (Miami Beach)
NY Academy of Science International Conference on Staphylococci

DJ Tipper

Additions to bibliography: (July 1, 1972 - June 30, 1973)

1. H. B. Wheeler. Impedance testing for venous thrombosis. Editorial, Arch. Surg., 106, June, 1973. 762-763.

2. H. B. Wheeler and O'Donnell, J. A. Detection of deep vein thrombosis by impedance plethysmography. IVth International Congress on Thrombosis and Haemostasis, Vienna, Austria, June 20, 1973. Page 114. (Abstract)

3. Impedance plethysmography in the diagnosis of deep vein thrombosis. In Concepts of Thromboembolic Disease. K. Mobin-Uddin (Ed.). Charles C. Thomas; Springfield, Illinois (To be published)

A list of current research grants, including sponsor and title.

(July 1, 1972 - June 30, 1973)

1. Title: Use of I-125 labelled Fibrinogen for detection of deep vein thrombosis.

   Investigator: Dr. H. Brownell Wheeler

   Sponsor: Abbott Laboratories

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2. Title: Evaluation of a new anticoagulant for treatment and prevention of venous thrombosis.

   Investigator: Dr. H. Brownell Wheeler

   Sponsor: Abbott Laboratories

Professional activities. (July 1, 1972 - June 30, 1973)

1. H. B. Wheeler, & O'Donnell, J. A. Impedance plethysmography in the diagnosis of deep vein thrombosis. Paper presented at the University of Kentucky Medical Center Conference, Lexington, Kentucky, April, 1973.

2. H. B. Wheeler, & O'Donnell, J. A. Detection of deep vein thrombosis by impedance plethysmography, Paper presented at the IVth International Congress on Thrombosis and Haemostasis, Vienna, Austria, June 20, 1973.

3. H. B. Wheeler, M.D. elected President of the Worcester Surgical Society, Oct. 2, 1972.

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL

DEAN'S OFFICE

JUN 14 1973

MEMORANDUM

From Dr. M.K. Wolf Date June 12, 1973

To M. Sawyer

Subject Memo dated June 5, 1973, re: Request for Annual Report Material

Since the period beginning July 1, 1972, to present, one article and one abstract have been published.

Article

LaVail, J.H., and M.K. Wolf. Postnatal development of the mouse dentate gyrus in organotypic cultures of the hippocampal formation. American Journal of Anatomy.

Abstract

Wolf, M.K., and V.E. Shashoua. Organotypic CNS cultures: ratio analysis of selected biosynthetic processes. Transactions; American Society for Neurochemistry.

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